SEQUENCE LISTING

(1) GENERAL INFORMATION:

    (i)   APPLICANT: Stinchcomb, Dan T.
                                              Draper, Kenneth G.
                                            McSwiggen, James

   (ii)   TITLE OF INVENTION: METHOD AND REAGENT FOR
                                              INHIBITING HEPATITIS C
                                            VIRUS REPLICATION

 (iii)   NUMBER OF SEQUENCES: 830

   (iv)   CORRESPONDENCE ADDRESS:

        (A)   ADDRESSEE: Lyon & Lyon
        (B)   STREET: 633 West Fifth Street
                                     Suite 4700
        (C)   CITY: Los Angeles
        (D)   STATE: California
        (E)   COUNTRY: U.S.A.
        (F)   ZIP: 90071-2066

    (v)   COMPUTER READABLE FORM:

        (A)   MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                     storage
        (B)   COMPUTER: IBM Compatible
        (C)   OPERATING SYSTEM: IBM P.C. DOS 5.0
        (D)   SOFTWARE: Word Perfect 5.1

   (vi)   CURRENT APPLICATION DATA:

        (A)   APPLICATION NUMBER: 08/777,916
        (B)   FILING DATE: December 23, 1996
        (C)   CLASSIFICATION:

  (vii)   PRIOR APPLICATION DATA:

        Prior applications total,
        including application
        described below: Three

        (A)   APPLICATION NUMBER: 08/291,932
        (B)   FILING DATE: August 15, 1994

        (A)   APPLICATION NUMBER: 08/245,466
        (B)   FILING DATE: May 18, 1994

        (A)   APPLICATION NUMBER: 07/987,132
        (B)   FILING DATE: December 7, 1992

 (viii)   ATTORNEY/AGENT INFORMATION:

        (A)   NAME: Warburg, Richard J.
        (B)   REGISTRATION NUMBER: 32,327
        (C)   REFERENCE/DOCKET NUMBER: 223/228

   (ix)   TELECOMMUNICATION INFORMATION:

        (A)   TELEPHONE: (213) 489-1600

```
      (B)   TELEFAX:                        (213) 955-0440
      (C)   TELEX:                          67-3510

(2)   INFORMATION FOR SEQ ID NO:    1:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:             11
            (B)   TYPE:               nucleic acid
            (C)   STRANDEDNESS:       single
            (D)   TOPOLOGY:           linear

      (ix)  FEATURE:

            (D)   OTHER INFORMATION:  The letter "N" stands for
                                      any base.  "H" represents
                                      nucleotide C, A, or U.

      (xi)  SEQUENCE DESCRIPTION:  SEQ ID NO:  1:

NNNNUHNNNN N                                                        11


(2)   INFORMATION FOR SEQ ID NO:    2:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:             32
            (B)   TYPE:               nucleic acid
            (C)   STRANDEDNESS:       single
            (D)   TOPOLOGY:           linear

      (ix)  FEATURE:

            (D)   OTHER INFORMATION:  The letter "N" stands for
                                      any base.

      (xi)  SEQUENCE DESCRIPTION:  SEQ ID NO:  2:

NNNNNCUGAN GAGNNNNNNN NNNCGAAANN NN                                 32


(2)   INFORMATION FOR SEQ ID NO:    3:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:             14
            (B)   TYPE:               nucleic acid
            (C)   STRANDEDNESS:       single
            (D)   TOPOLOGY:           linear

      (ix)  FEATURE:

            (D)   OTHER INFORMATION:  The letter "N" stands for
                                      any base.

      (xi)  SEQUENCE DESCRIPTION:  SEQ ID NO:  3:

NNNNNGUCNN NNNN                                                     14


(2)   INFORMATION FOR SEQ ID NO:    4:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:             50
            (B)   TYPE:               nucleic acid
            (C)   STRANDEDNESS:       single
            (D)   TOPOLOGY:           linear
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(ix)   FEATURE:

    (D)   OTHER INFORMATION: The letter "N" stands for
    any base.

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 4:

NNNNNNAGAA NNNNACCAGA GAAACACACG UUGUGGUAUA UUACCUGGUA   50

(2)   INFORMATION FOR SEQ ID NO: 5:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 85
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 5:

UGGCCGGCAU GGUCCCAGCC UCCUCGCUGG CGCCGGCUGG GCAACAUUCC GAGGGGACCG   60
UCCCCUCGGU AAUGGCGAAU GGGAC   85

(2)   INFORMATION FOR SEQ ID NO: 6:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 176
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 6:

GGGAAAGCUU GCGAAGGGCG UCGUCGCCCC GAGCGGUAGU AAGCAGGGAA CUCACCUCCA   60
AUUUCAGUAC UGAAAUUGUC GUAGCAGUUG ACUACUGUUA UGUGAUUGGU AGAGGCUAAG   120
UGACGGUAUU GGCGUAAGUC AGUAUUGCAG CACAGCACAA GCCCGCUUGC GAGAAU   176

(2)   INFORMATION FOR SEQ ID NO: 7:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 7:

AAUGGCUACA CAGGA   15

(2)   INFORMATION FOR SEQ ID NO: 8:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 8:

AGCUCCUACG UGGUG   15

(2) INFORMATION FOR SEQ ID NO: 9:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:

CCUCCAUUGC GGACA   15

(2) INFORMATION FOR SEQ ID NO: 10:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:

GAUCUGUUUC CCCUC   15

(2) INFORMATION FOR SEQ ID NO: 11:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:

AUCUGUUUCC CCUCA   15

(2) INFORMATION FOR SEQ ID NO: 12:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:

UUCCCCUCAU CUUUC   15

(2) INFORMATION FOR SEQ ID NO: 13:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 13:

CCCUCAUCUU UCCCU   15

(2)   INFORMATION FOR SEQ ID NO: 14:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 14:

CUCAUCUUUC CCUCA   15

(2)   INFORMATION FOR SEQ ID NO: 15:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 15:

UCAUCUUUCC CUCAG   15

(2)   INFORMATION FOR SEQ ID NO: 16:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 16:

CAGGCUUCUG GGCCU   15

(2)   INFORMATION FOR SEQ ID NO: 17:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear
    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 17:

GGGCCUUAUG UGGAG   15

(2)   INFORMATION FOR SEQ ID NO: 18:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 18:

UGGAGAUCAU CGAAC   15

(2)   INFORMATION FOR SEQ ID NO: 19:

(i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 15 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 19:

AGAUCAUCGA ACAGC   15

(2)   INFORMATION FOR SEQ ID NO: 20:

(i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 15 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 20:

AUGCGAUUCC GCUAU   15

(2)   INFORMATION FOR SEQ ID NO: 21:

(i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 15 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 21:

UGCGAUUCCG CUAUA   15

(2)   INFORMATION FOR SEQ ID NO: 22:

(i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 15 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 22:

UUCCGCUAUA AAUGC   15

(2)   INFORMATION FOR SEQ ID NO: 23:

(i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 15 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 23:

GGGCGCUCAG CGGGC   15

(2)   INFORMATION FOR SEQ ID NO: 24:

    (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 24:

GCAGUAUUCC UGGCG   15

(2) INFORMATION FOR SEQ ID NO: 25:

    (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 25:

CACAGAUACC ACCAA   15

(2) INFORMATION FOR SEQ ID NO: 26:

    (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 26:

CCACCAUCAA GAUCA   15

(2) INFORMATION FOR SEQ ID NO: 27:

    (i)   SEQUENCE CHARACTERISTICS:
          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 27:

UCAAGAUCAA UGGCU   15

(2) INFORMATION FOR SEQ ID NO: 28:

    (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 28:

AAUGGCUACA CAGGA   15

(2) INFORMATION FOR SEQ ID NO: 29:

    (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 29:

UUCGAAUCUC CCUGG   15

(2)   INFORMATION FOR SEQ ID NO: 30:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 30:

CGAAUCUCCC UGGUC   15

(2)   INFORMATION FOR SEQ ID NO: 31:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 31:

CCCUGGUCAC CAAGG   15

(2)   INFORMATION FOR SEQ ID NO: 32:
     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 32:

GGCCCCUCCU CCUGA   15

(2)   INFORMATION FOR SEQ ID NO: 33:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 33:

UCCACCUCAC CGGCC   15

(2)   INFORMATION FOR SEQ ID NO: 34:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid

```
        (C)  STRANDEDNESS:           single
        (D)  TOPOLOGY:               linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  34:

CCGGCCUCAU CCACA                                              15


(2)  INFORMATION FOR SEQ ID NO:  35:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                 15 base pairs
        (B)  TYPE:                   nucleic acid
        (C)  STRANDEDNESS:           single
        (D)  TOPOLOGY:               linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  35:

AUGAACUUGU GGGGA                                              15


(2)  INFORMATION FOR SEQ ID NO:  36:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                 15 base pairs
        (B)  TYPE:                   nucleic acid
        (C)  STRANDEDNESS:           single
        (D)  TOPOLOGY:               linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  36:

AGAUCAUCGA ACAGC                                              15

(2)  INFORMATION FOR SEQ ID NO:  37:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                 15 base pairs
        (B)  TYPE:                   nucleic acid
        (C)  STRANDEDNESS:           single
        (D)  TOPOLOGY:               linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  37:

GAUGGCUACU AUGAG                                              15


(2)  INFORMATION FOR SEQ ID NO:  38:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                 15 base pairs
        (B)  TYPE:                   nucleic acid
        (C)  STRANDEDNESS:           single
        (D)  TOPOLOGY:               linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  38:

AUGGUCUCUC CGGAG                                              15


(2)  INFORMATION FOR SEQ ID NO:  39:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                 15 base pairs
        (B)  TYPE:                   nucleic acid
        (C)  STRANDEDNESS:           single
        (D)  TOPOLOGY:               linear
```

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 39:

GGCUACUAUG AGGCU   15

(2) INFORMATION FOR SEQ ID NO: 40:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 40:

CUGACCUCUG CCCAG   15

(2) INFORMATION FOR SEQ ID NO: 41:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 41:

GCAGUAUCCA UAGCU   15

(2) INFORMATION FOR SEQ ID NO: 42:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 42:

CCGCAGUAUC CAUAG   15

(2) INFORMATION FOR SEQ ID NO: 43:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 43:

CAUAGCUUCC AGAAC   15

(2) INFORMATION FOR SEQ ID NO: 44:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 44:

AUAGCUUCCA GAACC   15

(2) INFORMATION FOR SEQ ID NO: 45:

     (i) SEQUENCE CHARACTERISTICS:

          (A) LENGTH: 15 base pairs
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 45:

UGGGGAUCCA GUGUG   15

(2) INFORMATION FOR SEQ ID NO: 46:

     (i) SEQUENCE CHARACTERISTICS:

          (A) LENGTH: 15 base pairs
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear
     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 46:

GGCUCCUUUU CUCAA   15

(2) INFORMATION FOR SEQ ID NO: 47:

     (i) SEQUENCE CHARACTERISTICS:

          (A) LENGTH: 15 base pairs
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 47:

GCUCCUUUUC UCAAG   15

(2) INFORMATION FOR SEQ ID NO: 48:

     (i) SEQUENCE CHARACTERISTICS:

          (A) LENGTH: 15 base pairs
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 48:

CUCCUUUUCU CAAGC   15

(2) INFORMATION FOR SEQ ID NO: 49:

     (i) SEQUENCE CHARACTERISTICS:

          (A) LENGTH: 15 base pairs
          (B) TYPE: nucleic acid
          (C) STRANDEDNESS: single
          (D) TOPOLOGY: linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 49:

UCCUUUUCUC AAGCU   15

(2)   INFORMATION FOR SEQ ID NO: 50:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 50:

UGGCCAUUGU GUUCC   15

(2)   INFORMATION FOR SEQ ID NO: 51:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 51:

AUUGUGUUCC GGACU   15

(2)   INFORMATION FOR SEQ ID NO: 52:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 52:

UUGUGUUCCG GACUC   15

(2)   INFORMATION FOR SEQ ID NO: 53:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 53:

GACUCCUCCG UACGC   15

(2)   INFORMATION FOR SEQ ID NO: 54:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 54:

CCUCCGUACG CCGAC   15

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(2) INFORMATION FOR SEQ ID NO: 55:

   (i) SEQUENCE CHARACTERISTICS:

      (A) LENGTH: 15 base pairs
      (B) TYPE: nucleic acid
      (C) STRANDEDNESS: single
      (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 55:

CCAGGCUCCU GUUCG   15

(2) INFORMATION FOR SEQ ID NO: 56:

   (i) SEQUENCE CHARACTERISTICS:
      (A) LENGTH: 15 base pairs
      (B) TYPE: nucleic acid
      (C) STRANDEDNESS: single
      (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 56:

UUCGAGUCUC CAUGC   15

(2) INFORMATION FOR SEQ ID NO: 57:

   (i) SEQUENCE CHARACTERISTICS:

      (A) LENGTH: 15 base pairs
      (B) TYPE: nucleic acid
      (C) STRANDEDNESS: single
      (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 57:

CGAGUCUCCA UGCAG   15

(2) INFORMATION FOR SEQ ID NO: 58:

   (i) SEQUENCE CHARACTERISTICS:

      (A) LENGTH: 15 base pairs
      (B) TYPE: nucleic acid
      (C) STRANDEDNESS: single
      (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 58:

GCGGCCUUCU GAUCG   15

(2) INFORMATION FOR SEQ ID NO: 59:

   (i) SEQUENCE CHARACTERISTICS:

      (A) LENGTH: 15 base pairs
      (B) TYPE: nucleic acid
      (C) STRANDEDNESS: single
      (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 59:

CGGCCUUCUG AUCGC   15

(2)   INFORMATION FOR SEQ ID NO: 60:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 60:

GCGAGCUCAG UGAGC   15

(2)   INFORMATION FOR SEQ ID NO: 61:
    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 61:

AUGGAGUUCC AGUAC   15

(2)   INFORMATION FOR SEQ ID NO: 62:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 62:

UGGAGUUCCA GUACU   15

(2)   INFORMATION FOR SEQ ID NO: 63:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 63:

UUCCAGUACU UGCCA   15

(2)   INFORMATION FOR SEQ ID NO: 64:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 64:

GCCUCAUCCA CAUGA   15

(2)   INFORMATION FOR SEQ ID NO: 65:

(i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 65:

AGAUGAUCGC CACCG   15

(2)   INFORMATION FOR SEQ ID NO: 66:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 66:

CAGUACUUGC CAGAC   15

(2)   INFORMATION FOR SEQ ID NO: 67:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 67:

ACCGGAUUGA AGAGA   15

(2)   INFORMATION FOR SEQ ID NO: 68:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 68:

GAGACCUUCA AGAGU   15

(2)   INFORMATION FOR SEQ ID NO: 69:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 69:

AGGACCUAUG AGACC   15

(2)   INFORMATION FOR SEQ ID NO: 70:

    (i)   SEQUENCE CHARACTERISTICS:

```
            (A)   LENGTH:                 15 base pairs
            (B)   TYPE:                   nucleic acid
            (C)   STRANDEDNESS:           single
            (D)   TOPOLOGY:               linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:   70:

GAGACCUUCA AGAGU                                                  15


(2)   INFORMATION FOR SEQ ID NO:   71:

    (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                 15 base pairs
            (B)   TYPE:                   nucleic acid
            (C)   STRANDEDNESS:           single
            (D)   TOPOLOGY:               linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:   71:

AGACCUUCAA GAGUA                                                  15


(2)   INFORMATION FOR SEQ ID NO:   72:

    (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                 15 base pairs
            (B)   TYPE:                   nucleic acid
            (C)   STRANDEDNESS:           single
            (D)   TOPOLOGY:               linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:   72:

AGAGUAUCAU GAAGA                                                  15


(2)   INFORMATION FOR SEQ ID NO:   73:

    (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                 15 base pairs
            (B)   TYPE:                   nucleic acid
            (C)   STRANDEDNESS:           single
            (D)   TOPOLOGY:               linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:   73:

GAAGAGUCCU UUCAA                                                  15


(2)   INFORMATION FOR SEQ ID NO:   74:

    (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                 15 base pairs
            (B)   TYPE:                   nucleic acid
            (C)   STRANDEDNESS:           single
            (D)   TOPOLOGY:               linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:   74:

GAGUCCUUUC AAUGG                                                  15


(2)   INFORMATION FOR SEQ ID NO:   75:

    (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                 15 base pairs
```

```
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:         single
            (D)   TOPOLOGY:             linear
     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  75:
```

AGUCCUUUCA AUGGA   15

(2)   INFORMATION FOR SEQ ID NO: 76:

```
     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:               15 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:         single
            (D)   TOPOLOGY:             linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  76:
```

GUCCUUUCAA UGGAC   15

(2)   INFORMATION FOR SEQ ID NO: 77:

```
     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:               15 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:         single
            (D)   TOPOLOGY:             linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  77:
```

CCGGCCUCCA ACCCG   15

(2)   INFORMATION FOR SEQ ID NO: 78:

```
     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:               15 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:         single
            (D)   TOPOLOGY:             linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  78:
```

UACACCUUGA UCCAA   15

(2)   INFORMATION FOR SEQ ID NO: 79:

```
     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:               15 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:         single
            (D)   TOPOLOGY:             linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  79:
```

GGCGUAUUGC UGUGC   15

(2)   INFORMATION FOR SEQ ID NO: 80:

```
     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:               15 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:         single
```

                    (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 80:

UGUGCCUACC CGAAA   15

(2) INFORMATION FOR SEQ ID NO: 81:

    (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 81:

AAGCCUUCCC GAAGU   15

(2) INFORMATION FOR SEQ ID NO: 82:

    (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 82:

CGAAACUCAA CUUCU   15

(2) INFORMATION FOR SEQ ID NO: 83:

    (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 83:

CUCAACUUCU GUCCC   15

(2) INFORMATION FOR SEQ ID NO: 84:

    (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 84:

UCAACUUCUG UCCCC   15

(2) INFORMATION FOR SEQ ID NO: 85:

    (i) SEQUENCE CHARACTERISTICS:
            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 85:

CUUCUGUCCC CAAGC   15

(2)   INFORMATION FOR SEQ ID NO: 86:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 86:

CAGCCCUACA CCUUC   15

(2)   INFORMATION FOR SEQ ID NO: 87:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 87:

GCCAUAUAGC CUUAC   15

(2)   INFORMATION FOR SEQ ID NO: 88:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 88:

CAUCCCUCAG CACCA   15

(2)   INFORMATION FOR SEQ ID NO: 89:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 89:

ACACCUUCCC AGCAU   15

(2)   INFORMATION FOR SEQ ID NO: 90:
    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 90:

UCCAUCUCCA GCUUC   15

(2)   INFORMATION FOR SEQ ID NO: 91:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 91:

UUUACUUUAG CGCGC   15

(2)   INFORMATION FOR SEQ ID NO: 92:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 92:

CCAGCAUCCC UCAGC   15

(2)   INFORMATION FOR SEQ ID NO: 93:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 93:

GCACCAUCAA CUUUG   15

(2)   INFORMATION FOR SEQ ID NO: 94:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 94:

AUCAACUUUG AUGAG   15

(2)   INFORMATION FOR SEQ ID NO: 95:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 95:

GAAGACUUCU CCUCC   15

(2) INFORMATION FOR SEQ ID NO: 96:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 96:

AAGACUUCUC CUCCA   15

(2) INFORMATION FOR SEQ ID NO: 97:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 97:

GACUUCUCCU CCAUU   15

(2) INFORMATION FOR SEQ ID NO: 98:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 98:

UUCUCCUCCA UUGCG   15

(2) INFORMATION FOR SEQ ID NO: 99:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 99:

CCUCCAUUGC GGACA   15

(2) INFORMATION FOR SEQ ID NO: 100:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 100:

AUGGACUUCU CUGCU   15

(2)   INFORMATION FOR SEQ ID NO: 101:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 101:

UGGACUUCUC UGCUC   15

(2)   INFORMATION FOR SEQ ID NO: 102:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 102:

GACUUCUCUG CUCUU   15

(2)   INFORMATION FOR SEQ ID NO: 103:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 103:

UUUGAGUCAG AUCAG   15

(2)   INFORMATION FOR SEQ ID NO: 104:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear
    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 104:

GUCAGAUCAG CUCCU   15

(2)   INFORMATION FOR SEQ ID NO: 105:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 105:

AUCAGCUCCU AAGGU   15

(2)   INFORMATION FOR SEQ ID NO: 106:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 106:

AGCUCCUAAG GUGCU   15

(2) INFORMATION FOR SEQ ID NO: 107:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 107:

CAGUGCUCCC AAGAG   15

(2) INFORMATION FOR SEQ ID NO: 108:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 108:

CCAGGCUCCU GUUCG   15

(2) INFORMATION FOR SEQ ID NO: 109:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 109:

AAGCCAUUAG CCAGC   15

(2) INFORMATION FOR SEQ ID NO: 110:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 110:

UUUGAGUCAG AUCAG   15

(2) INFORMATION FOR SEQ ID NO: 111:

    (i) SEQUENCE CHARACTERISTICS:

```
                  (A)   LENGTH:              15 base pairs
                  (B)   TYPE:                nucleic acid
                  (C)   STRANDEDNESS:        single
                  (D)   TOPOLOGY:            linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  111:

AGCGAAUCCA GACCA                                                    15


(2)   INFORMATION FOR SEQ ID NO:  112:

        (i)   SEQUENCE CHARACTERISTICS:

                  (A)   LENGTH:              15 base pairs
                  (B)   TYPE:                nucleic acid
                  (C)   STRANDEDNESS:        single
                  (D)   TOPOLOGY:            linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  112:

AACCCCUUUC ACGUU                                                    15


(2)   INFORMATION FOR SEQ ID NO:  113:

        (i)   SEQUENCE CHARACTERISTICS:

                  (A)   LENGTH:              15 base pairs
                  (B)   TYPE:                nucleic acid
                  (C)   STRANDEDNESS:        single
                  (D)   TOPOLOGY:            linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  113:

ACCCCUUUCA CGUUC                                                    15


(2)   INFORMATION FOR SEQ ID NO:  114:

        (i)   SEQUENCE CHARACTERISTICS:
                  (A)   LENGTH:              15 base pairs
                  (B)   TYPE:                nucleic acid
                  (C)   STRANDEDNESS:        single
                  (D)   TOPOLOGY:            linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  114:

UUCACGUUCC UAUAG                                                    15


(2)   INFORMATION FOR SEQ ID NO:  115:

        (i)   SEQUENCE CHARACTERISTICS:

                  (A)   LENGTH:              15 base pairs
                  (B)   TYPE:                nucleic acid
                  (C)   STRANDEDNESS:        single
                  (D)   TOPOLOGY:            linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  115:

UCACGUUCCU AUAGA                                                    15


(2)   INFORMATION FOR SEQ ID NO:  116:

        (i)   SEQUENCE CHARACTERISTICS:

                  (A)   LENGTH:              15 base pairs
```

```
          (B)  TYPE:                    nucleic acid
          (C)  STRANDEDNESS:            single
          (D)  TOPOLOGY:                linear

     (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  116:

CGUUCCUAUA GAGGA                                               15


(2)  INFORMATION FOR SEQ ID NO:  117:

     (i)  SEQUENCE CHARACTERISTICS:

          (A)  LENGTH:                  15 base pairs
          (B)  TYPE:                    nucleic acid
          (C)  STRANDEDNESS:            single
          (D)  TOPOLOGY:                linear

     (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  117:

UUCCUAUAGA GGAGC                                               15


(2)  INFORMATION FOR SEQ ID NO:  118:

     (i)  SEQUENCE CHARACTERISTICS:

          (A)  LENGTH:                  15 base pairs
          (B)  TYPE:                    nucleic acid
          (C)  STRANDEDNESS:            single
          (D)  TOPOLOGY:                linear

     (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  118:

GGGGACUAUG ACUUG                                               15


(2)  INFORMATION FOR SEQ ID NO:  119:
     (i)  SEQUENCE CHARACTERISTICS:

          (A)  LENGTH:                  15 base pairs
          (B)  TYPE:                    nucleic acid
          (C)  STRANDEDNESS:            single
          (D)  TOPOLOGY:                linear

     (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  119:

UGCGCCUCUG CUUCC                                               15


(2)  INFORMATION FOR SEQ ID NO:  120:

     (i)  SEQUENCE CHARACTERISTICS:

          (A)  LENGTH:                  15 base pairs
          (B)  TYPE:                    nucleic acid
          (C)  STRANDEDNESS:            single
          (D)  TOPOLOGY:                linear

     (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  120:

CUCUGCUUCC AGGUG                                               15


(2)  INFORMATION FOR SEQ ID NO:  121:

     (i)  SEQUENCE CHARACTERISTICS:

          (A)  LENGTH:                  15 base pairs
          (B)  TYPE:                    nucleic acid
          (C)  STRANDEDNESS:            single
```

```
        (D)  TOPOLOGY:              linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  121:

UCUGCUUCCA GGUGA                                             15


(2)  INFORMATION FOR SEQ ID NO:  122:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:              15 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  122:

AAGCCAUUAG CCAGC                                             15


(2)  INFORMATION FOR SEQ ID NO:  123:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:              15 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  123:

GGCCCCUCCU CCUGA                                             15

(2)  INFORMATION FOR SEQ ID NO:  124:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:              15 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  124:

CCCCUGUCCU CUCAC                                             15


(2)  INFORMATION FOR SEQ ID NO:  125:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:              15 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  125:

CUGUCCUCUC ACAUC                                             15


(2)  INFORMATION FOR SEQ ID NO:  126:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:              15 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 126:

GUCCCUUCCU CAGCC   15

(2) INFORMATION FOR SEQ ID NO: 127:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 127:

CCUUCCUCAG CCAUG   15

(2) INFORMATION FOR SEQ ID NO: 128:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 128:

UCCUGCUUCC AUCUC   15

(2) INFORMATION FOR SEQ ID NO: 129:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 129:

AUCCGAUUUU UGAUA   15

(2) INFORMATION FOR SEQ ID NO: 130:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 130:

CCGAUUUUUG AUAAC   15

(2) INFORMATION FOR SEQ ID NO: 131:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 15 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 131:

CGAUUUUUGA UAACC   15

(2)   INFORMATION FOR SEQ ID NO: 132:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 15 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

       (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 132:

UGGCCAUUGU GUUCC   15

(2)   INFORMATION FOR SEQ ID NO: 133:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 15 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear
       (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 133:

CCGAGCUCAA GAUCU   15

(2)   INFORMATION FOR SEQ ID NO: 134:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 15 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

       (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 134:

UCAAGAUCUG CCGAG   15

(2)   INFORMATION FOR SEQ ID NO: 135:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 15 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

       (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 135:

CGGAACUCUG GGAGC   15

(2)   INFORMATION FOR SEQ ID NO: 136:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 15 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

       (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 136:

GCUGCCUCGG UGGGG   15

SSSD/74802. v01

(2)   INFORMATION FOR SEQ ID NO: 137:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 137:

AUGAGAUCUU CUUGC   15

(2)   INFORMATION FOR SEQ ID NO: 138:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 138:

GAGAUCUUCU UGCUG   15

(2)   INFORMATION FOR SEQ ID NO: 139:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 139:

AGAUCUUCUU GCUGU   15

(2)   INFORMATION FOR SEQ ID NO: 140:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 140:

UUCUCCUCCA UUGCG   15

(2)   INFORMATION FOR SEQ ID NO: 141:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 141:

AAGACAUUGA GGUGU   15

(2)   INFORMATION FOR SEQ ID NO: 142:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 142:

GAGGUGUAUU UCACG   15

(2)   INFORMATION FOR SEQ ID NO: 143:

    (i)   SEQUENCE CHARACTERISTICS:
        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 143:

GGUGUAUUUC ACGGG   15

(2)   INFORMATION FOR SEQ ID NO: 144:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 144:

GUGUAUUUCA CGGGA   15

(2)   INFORMATION FOR SEQ ID NO: 145:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 145:

UGUAUUUCAC GGGAC   15

(2)   INFORMATION FOR SEQ ID NO: 146:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 146:

CGAGGCUCCU UUUCU   15

(2)   INFORMATION FOR SEQ ID NO: 147:

SSSD/74802. v01

```
(i)  SEQUENCE CHARACTERISTICS:

     (A)  LENGTH:            15 base pairs
     (B)  TYPE:              nucleic acid
     (C)  STRANDEDNESS:      single
     (D)  TOPOLOGY:          linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:  147:

GAUGAGUUUU CCCCC                                                    15


(2)  INFORMATION FOR SEQ ID NO:  148:
     (i)  SEQUENCE CHARACTERISTICS:

          (A)  LENGTH:       15 base pairs
          (B)  TYPE:         nucleic acid
          (C)  STRANDEDNESS: single
          (D)  TOPOLOGY:     linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:  148:

AUGAGUUUUC CCCCA                                                    15


(2)  INFORMATION FOR SEQ ID NO:  149:

     (i)  SEQUENCE CHARACTERISTICS:

          (A)  LENGTH:       15 base pairs
          (B)  TYPE:         nucleic acid
          (C)  STRANDEDNESS: single
          (D)  TOPOLOGY:     linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:  149:

UGAGUUUUCC CCCAU                                                    15


(2)  INFORMATION FOR SEQ ID NO:  150:

     (i)  SEQUENCE CHARACTERISTICS:

          (A)  LENGTH:       15 base pairs
          (B)  TYPE:         nucleic acid
          (C)  STRANDEDNESS: single
          (D)  TOPOLOGY:     linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:  150:

AUGCUGUUAC CAUCA                                                    15


(2)  INFORMATION FOR SEQ ID NO:  151:

     (i)  SEQUENCE CHARACTERISTICS:

          (A)  LENGTH:       15 base pairs
          (B)  TYPE:         nucleic acid
          (C)  STRANDEDNESS: single
          (D)  TOPOLOGY:     linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO:  151:

UGCUGUUACC AUCAG                                                    15


(2)  INFORMATION FOR SEQ ID NO:  152:

     (i)  SEQUENCE CHARACTERISTICS:
```

```
        (A)  LENGTH:              15 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 152:

GGCCCCUCCU CCUGA   15

(2)   INFORMATION FOR SEQ ID NO: 153:

        (i)   SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              15 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 153:

GUCCCUUCCU CAGCC   15

(2)   INFORMATION FOR SEQ ID NO: 154:

        (i)   SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              15 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 154:

UUACCAUCAG GGCAG   15

(2)   INFORMATION FOR SEQ ID NO: 155:

        (i)   SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              15 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 155:

GGGAGUUUAG UCUGA   15

(2)   INFORMATION FOR SEQ ID NO: 156:

        (i)   SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              15 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 156:

CAGCCCUACA CCUUC   15

(2)   INFORMATION FOR SEQ ID NO: 157:

        (i)   SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              15 base pairs
```

```
        (B)  TYPE:                    nucleic acid
        (C)  STRANDEDNESS:            single
        (D)  TOPOLOGY:                linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  157:

CUGGCCUUAG CACCG                                              15


(2)  INFORMATION FOR SEQ ID NO:  158:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                  15 base pairs
        (B)  TYPE:                    nucleic acid
        (C)  STRANDEDNESS:            single
        (D)  TOPOLOGY:                linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  158:

GGUCCCUUCC UCAGC                                              15


(2)  INFORMATION FOR SEQ ID NO:  159:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                  15 base pairs
        (B)  TYPE:                    nucleic acid
        (C)  STRANDEDNESS:            single
        (D)  TOPOLOGY:                linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  159:

CCCAGCUCCU GCCCC                                              15


(2)  INFORMATION FOR SEQ ID NO:  160:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                  15 base pairs
        (B)  TYPE:                    nucleic acid
        (C)  STRANDEDNESS:            single
        (D)  TOPOLOGY:                linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  160:

CCAGCCUCCA GGCUC                                              15


(2)  INFORMATION FOR SEQ ID NO:  161:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                  15 base pairs
        (B)  TYPE:                    nucleic acid
        (C)  STRANDEDNESS:            single
        (D)  TOPOLOGY:                linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  161:

CCCAGCUCCU GCCCC                                              15


(2)  INFORMATION FOR SEQ ID NO:  162:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                  15 base pairs
        (B)  TYPE:                    nucleic acid
```

          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear
     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 162:

CCAUGGUCCC UUCCU   15

(2)   INFORMATION FOR SEQ ID NO: 163:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 163:

GUGGGCUCAG CUGCG   15

(2)   INFORMATION FOR SEQ ID NO: 164:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 164:

AUGAGUUUUC CCCCA   15

(2)   INFORMATION FOR SEQ ID NO: 165:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 165:

CUCCUGUUCG AGUCU   15

(2)   INFORMATION FOR SEQ ID NO: 166:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 166:

CCCCAGUUCU AACCC   15

(2)   INFORMATION FOR SEQ ID NO: 167:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 167:

CAGUUCUAAC CCCGG   15

(2)   INFORMATION FOR SEQ ID NO: 168:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 168:

GGGUCCUCCC CAGUC   15

(2)   INFORMATION FOR SEQ ID NO: 169:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 169:

CUUUUCUCAA GCUGA   15

(2)   INFORMATION FOR SEQ ID NO: 170:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 170:

ACGCUGUCGG AAGCC   15

(2)   INFORMATION FOR SEQ ID NO: 171:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 171:

CUGCAGUUUG AUGCU   15

(2)   INFORMATION FOR SEQ ID NO: 172:

    (i)   SEQUENCE CHARACTERISTICS:
        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 172:

UGCAGUUUGA UGCUG   15

(2)   INFORMATION FOR SEQ ID NO: 173:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 173:

GGGGCCUUGC UUGGC   15

(2)   INFORMATION FOR SEQ ID NO: 174:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 174:

CCUUGCUUGG CAACA   15

(2)   INFORMATION FOR SEQ ID NO: 175:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 175:

GGAGUGUUCA CAGAC   15

(2)   INFORMATION FOR SEQ ID NO: 176:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 176:

GAGUGUUCAC AGACC   15

(2)   INFORMATION FOR SEQ ID NO: 177:
    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 177:

CUGGCAUCUG UGGAC   15

SSSD/74802. v01

(2)   INFORMATION FOR SEQ ID NO: 178:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 178:

CUUCGGUAGG GAACU   15

(2)   INFORMATION FOR SEQ ID NO: 179:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 179:

GACAACUCAG AGUUU   15

(2)   INFORMATION FOR SEQ ID NO: 180:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 180:

UCAGAGUUUC AGCAG   15

(2)   INFORMATION FOR SEQ ID NO: 181:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 181:

CAGAGUUUCA GCAGC   15

(2)   INFORMATION FOR SEQ ID NO: 182:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 182:

AGAGUUUCAG CAGCU   15

(2)   INFORMATION FOR SEQ ID NO: 183:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 183:

GGUGCAUCCC UGUGU   15

(2)   INFORMATION FOR SEQ ID NO: 184:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 184:

AUGGAGUACC CUGAA   15

(2)   INFORMATION FOR SEQ ID NO: 185:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 185:

UGAAGCUAUA ACUCG   15

(2)   INFORMATION FOR SEQ ID NO: 186:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 186:

AAGCUAUAAC UCGCC   15

(2)   INFORMATION FOR SEQ ID NO: 187:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 187:

UAUAACUCGC CUGGU   15

(2)   INFORMATION FOR SEQ ID NO: 188:

       (i)   SEQUENCE CHARACTERISTICS:

             (A) LENGTH: 15 base pairs
             (B) TYPE: nucleic acid
             (C) STRANDEDNESS: single
             (D) TOPOLOGY: linear

       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 188:

CUCUCCUAGA GAGGG   15

(2)   INFORMATION FOR SEQ ID NO: 189:

       (i)   SEQUENCE CHARACTERISTICS:

             (A) LENGTH: 15 base pairs
             (B) TYPE: nucleic acid
             (C) STRANDEDNESS: single
             (D) TOPOLOGY: linear

       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 189:

CCCAGCUCCU GCCCC   15

(2)   INFORMATION FOR SEQ ID NO: 190:

       (i)   SEQUENCE CHARACTERISTICS:

             (A) LENGTH: 15 base pairs
             (B) TYPE: nucleic acid
             (C) STRANDEDNESS: single
             (D) TOPOLOGY: linear

       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 190:

UCCUGCUUCG GUAGG   15

(2)   INFORMATION FOR SEQ ID NO: 191:

       (i)   SEQUENCE CHARACTERISTICS:

             (A) LENGTH: 15 base pairs
             (B) TYPE: nucleic acid
             (C) STRANDEDNESS: single
             (D) TOPOLOGY: linear
       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 191:

CGGGGCUUCC CAAUG   15

(2)   INFORMATION FOR SEQ ID NO: 192:

       (i)   SEQUENCE CHARACTERISTICS:

             (A) LENGTH: 15 base pairs
             (B) TYPE: nucleic acid
             (C) STRANDEDNESS: single
             (D) TOPOLOGY: linear

       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 192:

CUGACCUCUG CCCAG   15

(2)   INFORMATION FOR SEQ ID NO: 193:

       (i)   SEQUENCE CHARACTERISTICS:

```
            (A)   LENGTH:               15 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:         single
            (D)   TOPOLOGY:             linear
```

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 193:

CUCUGCUUCC AGGUG   15

(2)   INFORMATION FOR SEQ ID NO: 194:

      (i)   SEQUENCE CHARACTERISTICS:

```
            (A)   LENGTH:               15 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:         single
            (D)   TOPOLOGY:             linear
```

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 194:

UCUGCUUCCA GGUGA   15

(2)   INFORMATION FOR SEQ ID NO: 195:

      (i)   SEQUENCE CHARACTERISTICS:

```
            (A)   LENGTH:               15 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:         single
            (D)   TOPOLOGY:             linear
```

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 195:

CUCGCUUUCG GAGGU   15

(2)   INFORMATION FOR SEQ ID NO: 196:

      (i)   SEQUENCE CHARACTERISTICS:

```
            (A)   LENGTH:               15 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:         single
            (D)   TOPOLOGY:             linear
```

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 196:

AAUGGCUCGU CUGUA   15

(2)   INFORMATION FOR SEQ ID NO: 197:

      (i)   SEQUENCE CHARACTERISTICS:

```
            (A)   LENGTH:               15 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:         single
            (D)   TOPOLOGY:             linear
```

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 197:

GGCUCGUCUG UAGUG   15

(2)   INFORMATION FOR SEQ ID NO: 198:

      (i)   SEQUENCE CHARACTERISTICS:

```
              (A)   LENGTH:                    15 base pairs
              (B)   TYPE:                      nucleic acid
              (C)   STRANDEDNESS:              single
              (D)   TOPOLOGY:                  linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 198:

CGUCUGUAGU GCACG   15

(2)   INFORMATION FOR SEQ ID NO: 199:

      (i)   SEQUENCE CHARACTERISTICS:

```
              (A)   LENGTH:                    15 base pairs
              (B)   TYPE:                      nucleic acid
              (C)   STRANDEDNESS:              single
              (D)   TOPOLOGY:                  linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 199:

GAACUGUUCC CCCUC   15

(2)   INFORMATION FOR SEQ ID NO: 200:

      (i)   SEQUENCE CHARACTERISTICS:

```
              (A)   LENGTH:                    15 base pairs
              (B)   TYPE:                      nucleic acid
              (C)   STRANDEDNESS:              single
              (D)   TOPOLOGY:                  linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 200:

AACUGUUCCC CCUCA   15

(2)   INFORMATION FOR SEQ ID NO: 201:

      (i)   SEQUENCE CHARACTERISTICS:
```
              (A)   LENGTH:                    15 base pairs
              (B)   TYPE:                      nucleic acid
              (C)   STRANDEDNESS:              single
              (D)   TOPOLOGY:                  linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 201:

UCCCCCUCAU CUUCC   15

(2)   INFORMATION FOR SEQ ID NO: 202:

      (i)   SEQUENCE CHARACTERISTICS:

```
              (A)   LENGTH:                    15 base pairs
              (B)   TYPE:                      nucleic acid
              (C)   STRANDEDNESS:              single
              (D)   TOPOLOGY:                  linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 202:

CCCUCAUCUU CCCGG   15

(2)   INFORMATION FOR SEQ ID NO: 203:

      (i)   SEQUENCE CHARACTERISTICS:

```
              (A)   LENGTH:                    15 base pairs
              (B)   TYPE:                      nucleic acid
```

```
        (C)   STRANDEDNESS:              single
        (D)   TOPOLOGY:                  linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  203:

CUCAUCUUCC CGGCA                                                    15


(2)   INFORMATION FOR SEQ ID NO:  204:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                    15 base pairs
        (B)   TYPE:                      nucleic acid
        (C)   STRANDEDNESS:              single
        (D)   TOPOLOGY:                  linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  204:

UCAUCUUCCC GGCAG                                                    15


(2)   INFORMATION FOR SEQ ID NO:  205:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                    15 base pairs
        (B)   TYPE:                      nucleic acid
        (C)   STRANDEDNESS:              single
        (D)   TOPOLOGY:                  linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  205:

CAGGCCUCUG GCCCC                                                    15


(2)   INFORMATION FOR SEQ ID NO:  206:
    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                    15 base pairs
        (B)   TYPE:                      nucleic acid
        (C)   STRANDEDNESS:              single
        (D)   TOPOLOGY:                  linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  206:

GGCCCCUAUG UGGAG                                                    15


(2)   INFORMATION FOR SEQ ID NO:  207:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                    15 base pairs
        (B)   TYPE:                      nucleic acid
        (C)   STRANDEDNESS:              single
        (D)   TOPOLOGY:                  linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  207:

UGGAGAUCAU UGAGC                                                    15


(2)   INFORMATION FOR SEQ ID NO:  208:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                    15 base pairs
        (B)   TYPE:                      nucleic acid
        (C)   STRANDEDNESS:              single
        (D)   TOPOLOGY:                  linear
```

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 208:

AGAUCAUUGA GCAGC   15

(2)   INFORMATION FOR SEQ ID NO: 209:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 209:

AUGCGCUUCC GCUAC   15

(2)   INFORMATION FOR SEQ ID NO: 210:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 210:

UGCGCUUCCG CUACA   15

(2)   INFORMATION FOR SEQ ID NO: 211:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 211:

UUCCGCUACA AGUGC   15

(2)   INFORMATION FOR SEQ ID NO: 212:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 212:

GGGCGCUCCG CGGGC   15

(2)   INFORMATION FOR SEQ ID NO: 213:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 213:

GCAGCAUCCC AGGCG   15

(2)   INFORMATION FOR SEQ ID NO: 214:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 214:

CACAGAUACC ACCAA   15

(2)   INFORMATION FOR SEQ ID NO: 215:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 215:

CCACCAUCAA GAUCA   15

(2)   INFORMATION FOR SEQ ID NO: 216:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 216:

UCAAGAUCAA UGGCU   15

(2)   INFORMATION FOR SEQ ID NO: 217:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 217:

AAUGGCUACA CAGGA   15

(2)   INFORMATION FOR SEQ ID NO: 218:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 218:

UGCGCAUCUC CCUGG   15

(2)   INFORMATION FOR SEQ ID NO: 219:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 219:

CGCAUCUCCC UGGUC   15

(2)   INFORMATION FOR SEQ ID NO: 220:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear
      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 220:

CCCUGGUCAC CAAGG   15

(2)   INFORMATION FOR SEQ ID NO: 221:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 221:

GGACCCUCCU CACCG   15

(2)   INFORMATION FOR SEQ ID NO: 222:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 222:

CCCUCCUCAC CGGCC   15

(2)   INFORMATION FOR SEQ ID NO: 223:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 223:

CCGGCCUCAC CCCCA   15

(2)   INFORMATION FOR SEQ ID NO: 224:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 224:

ACGAGCUUGU AGGAA   15

(2)   INFORMATION FOR SEQ ID NO: 225:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 225:

AGCUUGUAGG AAAGG   15

(2)   INFORMATION FOR SEQ ID NO: 226:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 226:

GAUGGCUUCU AUGAG   15

(2)   INFORMATION FOR SEQ ID NO: 227:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 227:

AUGGCUUCUA UGAGG   15

(2)   INFORMATION FOR SEQ ID NO: 228:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 228:

GGCUUCUAUG AGGCU   15

(2)   INFORMATION FOR SEQ ID NO: 229:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 229:

CUGAGCUCUG CCCGG   15

(2)   INFORMATION FOR SEQ ID NO: 230:

    (i)   SEQUENCE CHARACTERISTICS:
        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 230:

GCUGCAUCCA CAGUU   15

(2)   INFORMATION FOR SEQ ID NO: 231:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 231:

CCACAGUUUC CAGAA   15

(2)   INFORMATION FOR SEQ ID NO: 232:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 232:

CACAGUUUCC AGAAC   15

(2)   INFORMATION FOR SEQ ID NO: 233:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 233:

ACAGUUUCCA GAACC   15

(2)   INFORMATION FOR SEQ ID NO: 234:

```
(i)   SEQUENCE CHARACTERISTICS:

      (A)  LENGTH:              15 base pairs
      (B)  TYPE:                nucleic acid
      (C)  STRANDEDNESS:        single
      (D)  TOPOLOGY:            linear

(xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  234:

UGGGAAUCCA GUGUG                                        15


(2)  INFORMATION FOR SEQ ID NO:  235:
     (i)   SEQUENCE CHARACTERISTICS:

           (A)  LENGTH:              15 base pairs
           (B)  TYPE:                nucleic acid
           (C)  STRANDEDNESS:        single
           (D)  TOPOLOGY:            linear

     (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  235:

GGCUCCUUUU CGCAA                                        15


(2)  INFORMATION FOR SEQ ID NO:  236:

     (i)   SEQUENCE CHARACTERISTICS:

           (A)  LENGTH:              15 base pairs
           (B)  TYPE:                nucleic acid
           (C)  STRANDEDNESS:        single
           (D)  TOPOLOGY:            linear

     (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  236:

GCUCCUUUUC GCAAG                                        15


(2)  INFORMATION FOR SEQ ID NO:  237:

     (i)   SEQUENCE CHARACTERISTICS:

           (A)  LENGTH:              15 base pairs
           (B)  TYPE:                nucleic acid
           (C)  STRANDEDNESS:        single
           (D)  TOPOLOGY:            linear

     (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  237:

CUCCUUUUCG CAAGC                                        15


(2)  INFORMATION FOR SEQ ID NO:  238:

     (i)   SEQUENCE CHARACTERISTICS:

           (A)  LENGTH:              15 base pairs
           (B)  TYPE:                nucleic acid
           (C)  STRANDEDNESS:        single
           (D)  TOPOLOGY:            linear

     (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  238:

UCCUUUUCGC AAGCU                                        15


(2)  INFORMATION FOR SEQ ID NO:  239:

     (i)   SEQUENCE CHARACTERISTICS:
```

```
            (A)  LENGTH:                  15 base pairs
            (B)  TYPE:                    nucleic acid
            (C)  STRANDEDNESS:            single
            (D)  TOPOLOGY:                linear
```

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 239:

UGGCCAUUGU GUUCC   15

(2) INFORMATION FOR SEQ ID NO: 240:

     (i) SEQUENCE CHARACTERISTICS:

```
            (A)  LENGTH:                  15 base pairs
            (B)  TYPE:                    nucleic acid
            (C)  STRANDEDNESS:            single
            (D)  TOPOLOGY:                linear
```

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 240:

AUUGUGUUCC GGACC   15

(2) INFORMATION FOR SEQ ID NO: 241:

     (i) SEQUENCE CHARACTERISTICS:

```
            (A)  LENGTH:                  15 base pairs
            (B)  TYPE:                    nucleic acid
            (C)  STRANDEDNESS:            single
            (D)  TOPOLOGY:                linear
```

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 241:

UUGUGUUCCG GACCC   15

(2) INFORMATION FOR SEQ ID NO: 242:

     (i) SEQUENCE CHARACTERISTICS:

```
            (A)  LENGTH:                  15 base pairs
            (B)  TYPE:                    nucleic acid
            (C)  STRANDEDNESS:            single
            (D)  TOPOLOGY:                linear
```

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 242:

GACCCCUCCC UACGC   15

(2) INFORMATION FOR SEQ ID NO: 243:

     (i) SEQUENCE CHARACTERISTICS:

```
            (A)  LENGTH:                  15 base pairs
            (B)  TYPE:                    nucleic acid
            (C)  STRANDEDNESS:            single
            (D)  TOPOLOGY:                linear
```

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 243:

CCUCCCUACG CAGAC   15

(2) INFORMATION FOR SEQ ID NO: 244:

     (i) SEQUENCE CHARACTERISTICS:

```
            (A)  LENGTH:                  15 base pairs
            (B)  TYPE:                    nucleic acid
```

     (C)   STRANDEDNESS: single
     (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 244:

GCAGGCUCCU GUGCG   15

(2)   INFORMATION FOR SEQ ID NO: 245:

    (i)   SEQUENCE CHARACTERISTICS:

     (A)   LENGTH: 15 base pairs
     (B)   TYPE: nucleic acid
     (C)   STRANDEDNESS: single
     (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 245:

UGCGUGUCUC CAUGC   15

(2)   INFORMATION FOR SEQ ID NO: 246:

    (i)   SEQUENCE CHARACTERISTICS:

     (A)   LENGTH: 15 base pairs
     (B)   TYPE: nucleic acid
     (C)   STRANDEDNESS: single
     (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 246:

CGUGUCUCCA UGCAG   15

(2)   INFORMATION FOR SEQ ID NO: 247:

    (i)   SEQUENCE CHARACTERISTICS:

     (A)   LENGTH: 15 base pairs
     (B)   TYPE: nucleic acid
     (C)   STRANDEDNESS: single
     (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 247:

GCGGCCUUCC GACCG   15

(2)   INFORMATION FOR SEQ ID NO: 248:

    (i)   SEQUENCE CHARACTERISTICS:

     (A)   LENGTH: 15 base pairs
     (B)   TYPE: nucleic acid
     (C)   STRANDEDNESS: single
     (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 248:

CGGCCUUCCG ACCGG   15

(2)   INFORMATION FOR SEQ ID NO: 249:

    (i)   SEQUENCE CHARACTERISTICS:

     (A)   LENGTH: 15 base pairs
     (B)   TYPE: nucleic acid
     (C)   STRANDEDNESS: single

```
              (D)  TOPOLOGY:              linear
       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  249:

  GGGAGCUCAG UGAGC                                                    15


  (2)  INFORMATION FOR SEQ ID NO:  250:

       (i)  SEQUENCE CHARACTERISTICS:

              (A)  LENGTH:                15 base pairs
              (B)  TYPE:                  nucleic acid
              (C)  STRANDEDNESS:          single
              (D)  TOPOLOGY:              linear

       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  250:

  AUGGAAUUCC AGUAC                                                    15


  (2)  INFORMATION FOR SEQ ID NO:  251:

       (i)  SEQUENCE CHARACTERISTICS:

              (A)  LENGTH:                15 base pairs
              (B)  TYPE:                  nucleic acid
              (C)  STRANDEDNESS:          single
              (D)  TOPOLOGY:              linear

       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  251:

  UGGAAUUCCA GUACC                                                    15


  (2)  INFORMATION FOR SEQ ID NO:  252:

       (i)  SEQUENCE CHARACTERISTICS:

              (A)  LENGTH:                15 base pairs
              (B)  TYPE:                  nucleic acid
              (C)  STRANDEDNESS:          single
              (D)  TOPOLOGY:              linear

       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  252:

  UUCCAGUACC UGCCA                                                    15


  (2)  INFORMATION FOR SEQ ID NO:  253:

       (i)  SEQUENCE CHARACTERISTICS:

              (A)  LENGTH:                15 base pairs
              (B)  TYPE:                  nucleic acid
              (C)  STRANDEDNESS:          single
              (D)  TOPOLOGY:              linear

       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  253:

  GCCAGAUACA GACGA                                                    15


  (2)  INFORMATION FOR SEQ ID NO:  254:

       (i)  SEQUENCE CHARACTERISTICS:

              (A)  LENGTH:                15 base pairs
              (B)  TYPE:                  nucleic acid
              (C)  STRANDEDNESS:          single
              (D)  TOPOLOGY:              linear
```

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 254:

AGACGAUCGU CACCG   15

(2)   INFORMATION FOR SEQ ID NO: 255:

      (i)   SEQUENCE CHARACTERISTICS:

             (A)   LENGTH: 15 base pairs
             (B)   TYPE: nucleic acid
             (C)   STRANDEDNESS: single
             (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 255:

CGAUCGUCAC CGGAU   15

(2)   INFORMATION FOR SEQ ID NO: 256:

      (i)   SEQUENCE CHARACTERISTICS:

             (A)   LENGTH: 15 base pairs
             (B)   TYPE: nucleic acid
             (C)   STRANDEDNESS: single
             (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 256:

ACCGGAUUGA GGAGA   15

(2)   INFORMATION FOR SEQ ID NO: 257:

      (i)   SEQUENCE CHARACTERISTICS:

             (A)   LENGTH: 15 base pairs
             (B)   TYPE: nucleic acid
             (C)   STRANDEDNESS: single
             (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 257:

GAAACGUAAA AGGAC   15

(2)   INFORMATION FOR SEQ ID NO: 258:

      (i)   SEQUENCE CHARACTERISTICS:

             (A)   LENGTH: 15 base pairs
             (B)   TYPE: nucleic acid
             (C)   STRANDEDNESS: single
             (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 258:

AGGACAUAUG AGACC   15

(2)   INFORMATION FOR SEQ ID NO: 259:

      (i)   SEQUENCE CHARACTERISTICS:
             (A)   LENGTH: 15 base pairs
             (B)   TYPE: nucleic acid
             (C)   STRANDEDNESS: single
             (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 259:

GAGACCUUCA AGAGC   15

(2)   INFORMATION FOR SEQ ID NO: 260:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 260:

AGACCUUCAA GAGCA   15

(2)   INFORMATION FOR SEQ ID NO: 261:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 261:

AGAGCAUCAU GAAGA   15

(2)   INFORMATION FOR SEQ ID NO: 262:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 262:

GAAGAGUCCU UUCAG   15

(2)   INFORMATION FOR SEQ ID NO: 263:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 263:

GAGUCCUUUC AGCGG   15

(2)   INFORMATION FOR SEQ ID NO: 264:
      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 264:

AGUCCUUUCA GCGGA   15

SSSD/74802. v01

(2)   INFORMATION FOR SEQ ID NO: 265:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 265:

GUCCUUUCAG CGGAC   15

(2)   INFORMATION FOR SEQ ID NO: 266:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 266:

CCGGCCUCCA CCUCG   15

(2)   INFORMATION FOR SEQ ID NO: 267:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 267:

UCCACCUCGA CGCAU   15

(2)   INFORMATION FOR SEQ ID NO: 268:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 268:

GACGCAUUGC UGUGC   15

(2)   INFORMATION FOR SEQ ID NO: 269:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 269:

UGUGCCUUCC CGCAG   15

(2)   INFORMATION FOR SEQ ID NO: 270:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 270:

GUGCCUUCCC GCAGC   15

(2) INFORMATION FOR SEQ ID NO: 271:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 271:

CGCAGCUCAG CUUCU   15

(2) INFORMATION FOR SEQ ID NO: 272:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 272:

CUCAGCUUCU GUCCC   15

(2) INFORMATION FOR SEQ ID NO: 273:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 273:

UCAGCUUCUG UCCCC   15

(2) INFORMATION FOR SEQ ID NO: 274:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 274:

CUUCUGUCCC CAAGC   15

(2) INFORMATION FOR SEQ ID NO: 275:

```
(i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH:              15 base pairs
      (B)   TYPE:                nucleic acid
      (C)   STRANDEDNESS:        single
      (D)   TOPOLOGY:            linear

(xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  275:
```

CAGCCCUAUC CCUUU   15

```
(2)   INFORMATION FOR SEQ ID NO:  276:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:              15 base pairs
            (B)   TYPE:                nucleic acid
            (C)   STRANDEDNESS:        single
            (D)   TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  276:
```

GCCCUAUCCC UUUAC   15

```
(2)   INFORMATION FOR SEQ ID NO:  277:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:              15 base pairs
            (B)   TYPE:                nucleic acid
            (C)   STRANDEDNESS:        single
            (D)   TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  277:
```

UAUCCCUUUA CGUCA   15

```
(2)   INFORMATION FOR SEQ ID NO:  278:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:              15 base pairs
            (B)   TYPE:                nucleic acid
            (C)   STRANDEDNESS:        single
            (D)   TOPOLOGY:            linear
      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  278:
```

AUCCCUUUAC GUCAU   15

```
(2)   INFORMATION FOR SEQ ID NO:  279:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:              15 base pairs
            (B)   TYPE:                nucleic acid
            (C)   STRANDEDNESS:        single
            (D)   TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  279:
```

UCCCUUUACG UCAUC   15

```
(2)   INFORMATION FOR SEQ ID NO:  280:

      (i)   SEQUENCE CHARACTERISTICS:
```

              (A)   LENGTH: 15 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 280:

UUUACGUCAU CCCUG   15

(2)   INFORMATION FOR SEQ ID NO: 281:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 15 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 281:

ACGUCAUCCC UGAGC   15

(2)   INFORMATION FOR SEQ ID NO: 282:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 15 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 282:

GCACCAUCAA CUAUG   15

(2)   INFORMATION FOR SEQ ID NO: 283:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 15 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 283:

AUCAACUAUG AUGAG   15

(2)   INFORMATION FOR SEQ ID NO: 284:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 15 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

       (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 284:

GAAGACUUCU CCUCC   15

(2)   INFORMATION FOR SEQ ID NO: 285:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 15 base pairs

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```
            (B)  TYPE:                 nucleic acid
            (C)  STRANDEDNESS:         single
            (D)  TOPOLOGY:             linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  285:

AAGACUUCUC CUCCA                                                    15


(2)  INFORMATION FOR SEQ ID NO:  286:

      (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:               15 base pairs
            (B)  TYPE:                 nucleic acid
            (C)  STRANDEDNESS:         single
            (D)  TOPOLOGY:             linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  286:

GACUUCUCCU CCAUU                                                    15


(2)  INFORMATION FOR SEQ ID NO:  287:

      (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:               15 base pairs
            (B)  TYPE:                 nucleic acid
            (C)  STRANDEDNESS:         single
            (D)  TOPOLOGY:             linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  287:

UUCUCCUCCA UUGCG                                                    15


(2)  INFORMATION FOR SEQ ID NO:  288:

      (i)  SEQUENCE CHARACTERISTICS:
            (A)  LENGTH:               15 base pairs
            (B)  TYPE:                 nucleic acid
            (C)  STRANDEDNESS:         single
            (D)  TOPOLOGY:             linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  288:

CCUCCAUUGC GGACA                                                    15


(2)  INFORMATION FOR SEQ ID NO:  289:

      (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:               15 base pairs
            (B)  TYPE:                 nucleic acid
            (C)  STRANDEDNESS:         single
            (D)  TOPOLOGY:             linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  289:

AUGGACUUCU CAGCC                                                    15


(2)  INFORMATION FOR SEQ ID NO:  290:

      (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:               15 base pairs
            (B)  TYPE:                 nucleic acid
            (C)  STRANDEDNESS:         single
```

    (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 290:

UGGACUUCUC AGCCC   15

(2) INFORMATION FOR SEQ ID NO: 291:

   (i) SEQUENCE CHARACTERISTICS:

      (A) LENGTH: 15 base pairs
      (B) TYPE: nucleic acid
      (C) STRANDEDNESS: single
      (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 291:

GACUUCUCAG CCCUG   15

(2) INFORMATION FOR SEQ ID NO: 292:

   (i) SEQUENCE CHARACTERISTICS:

      (A) LENGTH: 15 base pairs
      (B) TYPE: nucleic acid
      (C) STRANDEDNESS: single
      (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 292:

GCUGAGUCAG AUCAG   15

(2) INFORMATION FOR SEQ ID NO: 293:
   (i) SEQUENCE CHARACTERISTICS:

      (A) LENGTH: 15 base pairs
      (B) TYPE: nucleic acid
      (C) STRANDEDNESS: single
      (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 293:

GUCAGAUCAG CUCCU   15

(2) INFORMATION FOR SEQ ID NO: 294:

   (i) SEQUENCE CHARACTERISTICS:

      (A) LENGTH: 15 base pairs
      (B) TYPE: nucleic acid
      (C) STRANDEDNESS: single
      (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 294:

AUCAGCUCCU AAGGG   15

(2) INFORMATION FOR SEQ ID NO: 295:

   (i) SEQUENCE CHARACTERISTICS:

      (A) LENGTH: 15 base pairs
      (B) TYPE: nucleic acid
      (C) STRANDEDNESS: single
      (D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 295:

AGCUCCUAAG GGGGU   15

(2) INFORMATION FOR SEQ ID NO: 296:

      (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 296:

CUGCCCUCCC CAGAG   15

(2) INFORMATION FOR SEQ ID NO: 297:

      (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 297:

GCAGGCUAUC AGUCA   15

(2) INFORMATION FOR SEQ ID NO: 298:

      (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 298:

AGGCUAUCAG UCAGC   15

(2) INFORMATION FOR SEQ ID NO: 299:

      (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 299:

UAUCAGUCAG CGCAU   15

(2) INFORMATION FOR SEQ ID NO: 300:

      (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 300:

AGCGCAUCCA GACCA   15

(2)   INFORMATION FOR SEQ ID NO: 301:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 301:

AACCCCUUCC AAGUU   15

(2)   INFORMATION FOR SEQ ID NO: 302:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 302:

ACCCCUUCCA AGUUC   15

(2)   INFORMATION FOR SEQ ID NO: 303:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 303:

UCCAAGUUCC UAUAG   15

(2)   INFORMATION FOR SEQ ID NO: 304:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 304:

CCAAGUUCCU AUAGA   15

(2)   INFORMATION FOR SEQ ID NO: 305:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 305:

AGUUCCUAUA GAAGA   15

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(2)   INFORMATION FOR SEQ ID NO: 306:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 306:

UUCCUAUAGA AGAGC   15

(2)   INFORMATION FOR SEQ ID NO: 307:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear
   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 307:

GGGGACUACG ACCUG   15

(2)   INFORMATION FOR SEQ ID NO: 308:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 308:

UGCGGCUCUG CUUCC   15

(2)   INFORMATION FOR SEQ ID NO: 309:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 309:

CUCUGCUUCC AGGUG   15

(2)   INFORMATION FOR SEQ ID NO: 310:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 310:

UCUGCUUCCA GGUGA   15

(2)   INFORMATION FOR SEQ ID NO: 311:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 311:

GACCCAUCAG GCAGG   15

(2)   INFORMATION FOR SEQ ID NO: 312:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 312:

GGCCCCUCCG CCUGC   15

(2)   INFORMATION FOR SEQ ID NO: 313:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 313:

CGCCUGUCCU UCCUC   15

(2)   INFORMATION FOR SEQ ID NO: 314:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 314:

CUGUCCUUCC UCAUC   15

(2)   INFORMATION FOR SEQ ID NO: 315:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 315:

UGUCCUUCCU CAUCC   15

(2)   INFORMATION FOR SEQ ID NO: 316:

(i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 15 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 316:

CCUUCCUCAU CCCAU   15

(2)   INFORMATION FOR SEQ ID NO: 317:

    (i)   SEQUENCE CHARACTERISTICS:
    (A)   LENGTH: 15 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 317:

UCCUCAUCCC AUCUU   15

(2)   INFORMATION FOR SEQ ID NO: 318:

    (i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 15 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 318:

AUCCCAUCUU UGACA   15

(2)   INFORMATION FOR SEQ ID NO: 319:

    (i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 15 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 319:

CCCAUCUUUG ACAAU   15

(2)   INFORMATION FOR SEQ ID NO: 320:

    (i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 15 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 320:

CCAUCUUUGA CAAUC   15

(2)   INFORMATION FOR SEQ ID NO: 321:

    (i)   SEQUENCE CHARACTERISTICS:

```
                (A)   LENGTH:                15 base pairs
                (B)   TYPE:                  nucleic acid
                (C)   STRANDEDNESS:          single
                (D)   TOPOLOGY:              linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  321:

    UGACAAUCGU GCCCC                                                    15


    (2)   INFORMATION FOR SEQ ID NO:  322:
          (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH:                15 base pairs
                (B)   TYPE:                  nucleic acid
                (C)   STRANDEDNESS:          single
                (D)   TOPOLOGY:              linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  322:

    CCGAGCUCAA GAUCU                                                    15


    (2)   INFORMATION FOR SEQ ID NO:  323:

          (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH:                15 base pairs
                (B)   TYPE:                  nucleic acid
                (C)   STRANDEDNESS:          single
                (D)   TOPOLOGY:              linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  323:

    UCAAGAUCUG CCGAG                                                    15


    (2)   INFORMATION FOR SEQ ID NO:  324:

          (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH:                15 base pairs
                (B)   TYPE:                  nucleic acid
                (C)   STRANDEDNESS:          single
                (D)   TOPOLOGY:              linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  324:

    CGAAACUCUG GCAGC                                                    15


    (2)   INFORMATION FOR SEQ ID NO:  325:

          (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH:                15 base pairs
                (B)   TYPE:                  nucleic acid
                (C)   STRANDEDNESS:          single
                (D)   TOPOLOGY:              linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  325:

    GCUGCCUCGG UGGGG                                                    15


    (2)   INFORMATION FOR SEQ ID NO:  326:

          (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH:                15 base pairs
```

```
       (B)   TYPE:                    nucleic acid
       (C)   STRANDEDNESS:            single
       (D)   TOPOLOGY:                linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 326:

AUGAGAUCUU CCUAC   15

(2)   INFORMATION FOR SEQ ID NO: 327:

      (i)   SEQUENCE CHARACTERISTICS:

```
       (A)   LENGTH:                  15 base pairs
       (B)   TYPE:                    nucleic acid
       (C)   STRANDEDNESS:            single
       (D)   TOPOLOGY:                linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 327:

GAGAUCUUCC UACUG   15

(2)   INFORMATION FOR SEQ ID NO: 328:

      (i)   SEQUENCE CHARACTERISTICS:

```
       (A)   LENGTH:                  15 base pairs
       (B)   TYPE:                    nucleic acid
       (C)   STRANDEDNESS:            single
       (D)   TOPOLOGY:                linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 328:

AGAUCUUCCU ACUGU   15

(2)   INFORMATION FOR SEQ ID NO: 329:

      (i)   SEQUENCE CHARACTERISTICS:

```
       (A)   LENGTH:                  15 base pairs
       (B)   TYPE:                    nucleic acid
       (C)   STRANDEDNESS:            single
       (D)   TOPOLOGY:                linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 329:

UCUUCCUACU GUGUG   15

(2)   INFORMATION FOR SEQ ID NO: 330:

      (i)   SEQUENCE CHARACTERISTICS:

```
       (A)   LENGTH:                  15 base pairs
       (B)   TYPE:                    nucleic acid
       (C)   STRANDEDNESS:            single
       (D)   TOPOLOGY:                linear
```

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 330:

AGGACAUUGA GGUGU   15

(2)   INFORMATION FOR SEQ ID NO: 331:

      (i)   SEQUENCE CHARACTERISTICS:

```
       (A)   LENGTH:                  15 base pairs
       (B)   TYPE:                    nucleic acid
       (C)   STRANDEDNESS:            single
```

            (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 331:

GAGGUGUAUU UCACG   15

(2)   INFORMATION FOR SEQ ID NO: 332:

     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 332:

GGUGUAUUUC ACGGG   15

(2)   INFORMATION FOR SEQ ID NO: 333:

     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 333:

GUGUAUUUCA CGGGA   15

(2)   INFORMATION FOR SEQ ID NO: 334:

     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 334:

UGUAUUUCAC GGGAC   15

(2)   INFORMATION FOR SEQ ID NO: 335:

     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 335:

CGAGGCUCCU UUUCG   15

(2)   INFORMATION FOR SEQ ID NO: 336:

     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 336:

GAUGAGUUUC CCACC   15

(2) INFORMATION FOR SEQ ID NO: 337:

      (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 337:

AUGAGUUUCC CACCA   15

(2) INFORMATION FOR SEQ ID NO: 338:

      (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 338:

UGAGUUUCCC ACCAU   15

(2) INFORMATION FOR SEQ ID NO: 339:

      (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 339:

AUGGUGUUUC CUUCU   15

(2) INFORMATION FOR SEQ ID NO: 340:

      (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 340:

UGGUGUUUCC UUCUG   15

(2) INFORMATION FOR SEQ ID NO: 341:

      (i) SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 341:

GGUGUUUCCU UCUGG   15

(2)   INFORMATION FOR SEQ ID NO: 342:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 342:

GUUUCCUUCU GGGCA   15

(2)   INFORMATION FOR SEQ ID NO: 343:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 343:

UUUCCUUCUG GGCAG   15

(2)   INFORMATION FOR SEQ ID NO: 344:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 344:

GGCAGAUCAG CCAGG   15

(2)   INFORMATION FOR SEQ ID NO: 345:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 345:

CAGGCCUCGG CCUUG   15

(2)   INFORMATION FOR SEQ ID NO: 346:

      (i)   SEQUENCE CHARACTERISTICS:
            (A)   LENGTH: 15 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 346:

UCGGCCUUGG CCCCG   15

SSSD/74802. v01

(2)   INFORMATION FOR SEQ ID NO: 347:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 347:

GGCCCCUCCC CAAGU   15

(2)   INFORMATION FOR SEQ ID NO: 348:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 348:

CCCAAGUCCU GCCCC   15

(2)   INFORMATION FOR SEQ ID NO: 349:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 349:

CCAGGCUCCA GCCCC   15

(2)   INFORMATION FOR SEQ ID NO: 350:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 350:

CCCUGCUCCA GCCAU   15

(2)   INFORMATION FOR SEQ ID NO: 351:
    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 351:

CCAUGGUAUC AGCUC   15

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(2)   INFORMATION FOR SEQ ID NO: 352:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 352:

AUGGUAUCAG CUCUG   15

(2)   INFORMATION FOR SEQ ID NO: 353:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 353:

AUCAGCUCUG GCCCA   15

(2)   INFORMATION FOR SEQ ID NO: 354:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 354:

CCCCUGUCCC AGUCC   15

(2)   INFORMATION FOR SEQ ID NO: 355:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 355:

UCCCAGUCCU AGCCC   15

(2)   INFORMATION FOR SEQ ID NO: 356:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 15 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 356:

CAGUCCUAGC CCCAG   15

(2)   INFORMATION FOR SEQ ID NO: 357:

```
(i)   SEQUENCE CHARACTERISTICS:

      (A)  LENGTH:              15 base pairs
      (B)  TYPE:                nucleic acid
      (C)  STRANDEDNESS:        single
      (D)  TOPOLOGY:            linear

(xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  357:
```

AGGCCCUCCU CAGGC   15

(2) INFORMATION FOR SEQ ID NO: 358:

```
      (i)   SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              15 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  358:
```

CCCUCCUCAG GCUGU   15

(2) INFORMATION FOR SEQ ID NO: 359:

```
      (i)   SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              15 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  359:
```

ACGCUGUCAG AGGCC   15

(2) INFORMATION FOR SEQ ID NO: 360:

```
      (i)   SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              15 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  360:
```

CUGCAGUUUG AUGAU   15

(2) INFORMATION FOR SEQ ID NO: 361:

```
      (i)   SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              15 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  361:
```

UGCAGUUUGA UGAUG   15

(2) INFORMATION FOR SEQ ID NO: 362:

```
      (i)   SEQUENCE CHARACTERISTICS:
```

```
            (A)  LENGTH:              15 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  362:

GGGGCCUUGC UUGGC                                                15


(2)   INFORMATION FOR SEQ ID NO:  363:

      (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              15 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  363:

CCUUGCUUGG CAACA                                                15


(2)   INFORMATION FOR SEQ ID NO:  364:

      (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              15 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  364:

GCUGUGUUCA CAGAC                                                15


(2)   INFORMATION FOR SEQ ID NO:  365:

      (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              15 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear
      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  365:

CUGUGUUCAC AGACC                                                15


(2)   INFORMATION FOR SEQ ID NO:  366:

      (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              15 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  366:

CUGGCAUCCG UCGAC                                                15


(2)   INFORMATION FOR SEQ ID NO:  367:

      (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              15 base pairs
```

```
        (B)  TYPE:                 nucleic acid
        (C)  STRANDEDNESS:         single
        (D)  TOPOLOGY:             linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  367:

CAUCCGUCGA CAACU                                              15


(2)  INFORMATION FOR SEQ ID NO:  368:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:               15 base pairs
        (B)  TYPE:                 nucleic acid
        (C)  STRANDEDNESS:         single
        (D)  TOPOLOGY:             linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  368:

GACAACUCCG AGUUU                                              15


(2)  INFORMATION FOR SEQ ID NO:  369:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:               15 base pairs
        (B)  TYPE:                 nucleic acid
        (C)  STRANDEDNESS:         single
        (D)  TOPOLOGY:             linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  369:

UCCGAGUUUC AGCAG                                              15


(2)  INFORMATION FOR SEQ ID NO:  370:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:               15 base pairs
        (B)  TYPE:                 nucleic acid
        (C)  STRANDEDNESS:         single
        (D)  TOPOLOGY:             linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  370:

CCGAGUUUCA GCAGC                                              15


(2)  INFORMATION FOR SEQ ID NO:  371:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:               15 base pairs
        (B)  TYPE:                 nucleic acid
        (C)  STRANDEDNESS:         single
        (D)  TOPOLOGY:             linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  371:

CGAGUUUCAG CAGCU                                              15


(2)  INFORMATION FOR SEQ ID NO:  372:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:               15 base pairs
        (B)  TYPE:                 nucleic acid
```

```
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  372:

AGGGCAUACC UGUGG                                          15


(2)   INFORMATION FOR SEQ ID NO:  373:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                15 base pairs
            (B)   TYPE:                  nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  373:

AUGGAGUACC CUGAG                                          15


(2)   INFORMATION FOR SEQ ID NO:  374:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                15 base pairs
            (B)   TYPE:                  nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  374:

UGAGGCUAUA ACUCG                                          15


(2)   INFORMATION FOR SEQ ID NO:  375:

      (i)   SEQUENCE CHARACTERISTICS:
            (A)   LENGTH:                15 base pairs
            (B)   TYPE:                  nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  375:

AGGCUAUAAC UCGCC                                          15


(2)   INFORMATION FOR SEQ ID NO:  376:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                15 base pairs
            (B)   TYPE:                  nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  376:

UAUAACUCGC CUAGU                                          15


(2)   INFORMATION FOR SEQ ID NO:  377:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                15 base pairs
            (B)   TYPE:                  nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear
```

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 377:

CUCGCCUAGU GACAG   15

(2)   INFORMATION FOR SEQ ID NO: 378:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 378:

CCCAGCUCCU GCUCC   15

(2)   INFORMATION FOR SEQ ID NO: 379:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 379:

UCCUGCUCCA CUGGG   15

(2)   INFORMATION FOR SEQ ID NO: 380:
     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 380:

CGGGGCUCCC CAAUG   15

(2)   INFORMATION FOR SEQ ID NO: 381:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 381:

AUGGCCUCCU UUCAG   15

(2)   INFORMATION FOR SEQ ID NO: 382:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 15 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 382:

GCCUCCUUUC AGGAG   15

(2)   INFORMATION FOR SEQ ID NO: 383:

      (i)   SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 383:

CCUCCUUUCA GGAGA   15

(2)   INFORMATION FOR SEQ ID NO: 384:

      (i)   SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 15 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 384:

CUCCUUUCAG GAGAU   15

(2)   INFORMATION FOR SEQ ID NO: 385:

      (i)   SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 36 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 385:

UCCUGUGCUG AUGAGGCCGA AAGGCCGAAA GCCAUU   36

(2)   INFORMATION FOR SEQ ID NO: 386:

      (i)   SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 36 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 386:

CACCACGCUG AUGAGGCCGA AAGGCCGAAA GGAGCU   36

(2)   INFORMATION FOR SEQ ID NO: 387:

      (i)   SEQUENCE CHARACTERISTICS:

            (A) LENGTH: 36 base pairs
            (B) TYPE: nucleic acid
            (C) STRANDEDNESS: single
            (D) TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 387:

UGUCCGCCUG AUGAGGCCGA AAGGCCGAAA UGGAGG   36

SSSD/74802. v01

(2)   INFORMATION FOR SEQ ID NO: 388:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 388:

GAGGGGACUG AUGAGGCCGA AAGGCCGAAA CAGAUC   36

(2)   INFORMATION FOR SEQ ID NO: 389:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 389:

UGAGGGGCUG AUGAGGCCGA AAGGCCGAAA ACAGAU   36

(2)   INFORMATION FOR SEQ ID NO: 390:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 390:

GAAAGAUCUG AUGAGGCCGA AAGGCCGAAA GGGGAA   36

(2)   INFORMATION FOR SEQ ID NO: 391:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 391:

AGGGAAACUG AUGAGGCCGA AAGGCCGAAA UGAGGG   36

(2)   INFORMATION FOR SEQ ID NO: 392:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 392:

UGAGGGACUG AUGAGGCCGA AAGGCCGAAA GAUGAG   36

(2)   INFORMATION FOR SEQ ID NO: 393:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 393:

CUGAGGGCUG AUGAGGCCGA AAGGCCGAAA AGAUGA   36

(2)   INFORMATION FOR SEQ ID NO: 394:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear
   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 394:

AGGCCCACUG AUGAGGCCGA AAGGCCGAAA AGCCUG   36

(2)   INFORMATION FOR SEQ ID NO: 395:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 395:

CUCCACACUG AUGAGGCCGA AAGGCCGAAA AGGCCC   36

(2)   INFORMATION FOR SEQ ID NO: 396:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 396:

GUUCGAUCUG AUGAGGCCGA AAGGCCGAAA UCUCCA   36

(2)   INFORMATION FOR SEQ ID NO: 397:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 397:

GCUGUUCCUG AUGAGGCCGA AAGGCCGAAA UGAUCU   36

(2)   INFORMATION FOR SEQ ID NO: 398:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 398:

AUAGCGGCUG AUGAGGCCGA AAGGCCGAAA UCGCAU   36

(2)   INFORMATION FOR SEQ ID NO: 399:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 399:

UAUAGCGCUG AUGAGGCCGA AAGGCCGAAA AUCGCA   36

(2)   INFORMATION FOR SEQ ID NO: 400:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 400:

GCAUUUACUG AUGAGGCCGA AAGGCCGAAA GCGGAA   36

(2)   INFORMATION FOR SEQ ID NO: 401:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 401:

GCCCGCUCUG AUGAGGCCGA AAGGCCGAAA GCGCCC   36

(2)   INFORMATION FOR SEQ ID NO: 402:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 402:

CGCCAGGCUG AUGAGGCCGA AAGGCCGAAA UACUGC   36

(2)   INFORMATION FOR SEQ ID NO: 403:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 403:

UUGGUGGCUG AUGAGGCCGA AAGGCCGAAA UCUGUG   36

(2)   INFORMATION FOR SEQ ID NO: 404:

    (i)   SEQUENCE CHARACTERISTICS:
        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 404:

UGAUCUUCUG AUGAGGCCGA AAGGCCGAAA UGGUGG   36

(2)   INFORMATION FOR SEQ ID NO: 405:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 405:

AGCCAUUCUG AUGAGGCCGA AAGGCCGAAA UCUUGA   36

(2)   INFORMATION FOR SEQ ID NO: 406:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 406:

UCCUGUGCUG AUGAGGCCGA AAGGCCGAAA GCCAUU   36

(2)   INFORMATION FOR SEQ ID NO: 407:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 407:

CCAGGGACUG AUGAGGCCGA AAGGCCGAAA UUCGAA   36

(2)   INFORMATION FOR SEQ ID NO: 408:

    (i)   SEQUENCE CHARACTERISTICS:

```
                (A)   LENGTH:              36 base pairs
                (B)   TYPE:                nucleic acid
                (C)   STRANDEDNESS:        single
                (D)   TOPOLOGY:            linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  408:

   GACCAGGCUG AUGAGGCCGA AAGGCCGAAA GAUUCG                              36


(2)   INFORMATION FOR SEQ ID NO:  409:
        (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH:              36 base pairs
                (B)   TYPE:                nucleic acid
                (C)   STRANDEDNESS:        single
                (D)   TOPOLOGY:            linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  409:

   CCUUGGUCUG AUGAGGCCGA AAGGCCGAAA CCAGGG                              36


(2)   INFORMATION FOR SEQ ID NO:  410:

        (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH:              36 base pairs
                (B)   TYPE:                nucleic acid
                (C)   STRANDEDNESS:        single
                (D)   TOPOLOGY:            linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  410:

   UCAGGAGCUG AUGAGGCCGA AAGGCCGAAA GGGGCC                              36


(2)   INFORMATION FOR SEQ ID NO:  411:

        (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH:              36 base pairs
                (B)   TYPE:                nucleic acid
                (C)   STRANDEDNESS:        single
                (D)   TOPOLOGY:            linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  411:

   GGCCGGUCUG AUGAGGCCGA AAGGCCGAAA GGUGGA                              36


(2)   INFORMATION FOR SEQ ID NO:  412:

        (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH:              36 base pairs
                (B)   TYPE:                nucleic acid
                (C)   STRANDEDNESS:        single
                (D)   TOPOLOGY:            linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  412:

   UGUGGAUCUG AUGAGGCCGA AAGGCCGAAA GGCCGG                              36


(2)   INFORMATION FOR SEQ ID NO:  413:

        (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH:              36 base pairs
                (B)   TYPE:                nucleic acid
```

         (C)   STRANDEDNESS: single
         (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 413:

UCCCCACCUG AUGAGGCCGA AAGGCCGAAA GUUCAU   36

(2)   INFORMATION FOR SEQ ID NO: 414:

     (i)   SEQUENCE CHARACTERISTICS:

         (A)   LENGTH: 36 base pairs
         (B)   TYPE: nucleic acid
         (C)   STRANDEDNESS: single
         (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 414:

GCUGUUCCUG AUGAGGCCGA AAGGCCGAAA UGAUCU   36

(2)   INFORMATION FOR SEQ ID NO: 415:

     (i)   SEQUENCE CHARACTERISTICS:

         (A)   LENGTH: 36 base pairs
         (B)   TYPE: nucleic acid
         (C)   STRANDEDNESS: single
         (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 415:

CUCAUAGCUG AUGAGGCCGA AAGGCCGAAA GCCAUC   36

(2)   INFORMATION FOR SEQ ID NO: 416:

     (i)   SEQUENCE CHARACTERISTICS:

         (A)   LENGTH: 36 base pairs
         (B)   TYPE: nucleic acid
         (C)   STRANDEDNESS: single
         (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 416:

CUCCGGACUG AUGAGGCCGA AAGGCCGAAA GACCAU   36

(2)   INFORMATION FOR SEQ ID NO: 417:

     (i)   SEQUENCE CHARACTERISTICS:

         (A)   LENGTH: 36 base pairs
         (B)   TYPE: nucleic acid
         (C)   STRANDEDNESS: single
         (D)   TOPOLOGY: linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 417:

AGCCUCACUG AUGAGGCCGA AAGGCCGAAA GUAGCC   36

(2)   INFORMATION FOR SEQ ID NO: 418:

     (i)   SEQUENCE CHARACTERISTICS:

         (A)   LENGTH: 36 base pairs
         (B)   TYPE: nucleic acid
         (C)   STRANDEDNESS: single
         (D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 418:

CUGGGCACUG AUGAGGCCGA AAGGCCGAAA GGUCAG   36

(2)   INFORMATION FOR SEQ ID NO: 419:

   (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 36 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 419:

AGCUAUGCUG AUGAGGCCGA AAGGCCGAAA UACUGC   36

(2)   INFORMATION FOR SEQ ID NO: 420:

   (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 36 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 420:

CUAUGGACUG AUGAGGCCGA AAGGCCGAAA CUGCGG   36

(2)   INFORMATION FOR SEQ ID NO: 421:

   (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 36 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 421:

GUUCUGGCUG AUGAGGCCGA AAGGCCGAAA GCUAUG   36

(2)   INFORMATION FOR SEQ ID NO: 422:

   (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 36 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 422:

GGUUCUGCUG AUGAGGCCGA AAGGCCGAAA AGCUAU   36

(2)   INFORMATION FOR SEQ ID NO: 423:

   (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH: 36 base pairs
          (B)   TYPE: nucleic acid
          (C)   STRANDEDNESS: single
          (D)   TOPOLOGY: linear
   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 423:

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CACACUGCUG AUGAGGCCGA AAGGCCGAAA UCCCCA   36

(2)   INFORMATION FOR SEQ ID NO: 424:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 424:

CGAACAGCUG AUGAGGCCGA AAGGCCGAAA GCCUGG   36

(2)   INFORMATION FOR SEQ ID NO: 425:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 425:

GCUGGCUCUG AUGAGGCCGA AAGGCCGAAA UGGCUU   36

(2)   INFORMATION FOR SEQ ID NO: 426:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 426:

CUGAUCUCUG AUGAGGCCGA AAGGCCGAAA CUCAAA   36

(2)   INFORMATION FOR SEQ ID NO: 427:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 427:

UGGUCUGCUG AUGAGGCCGA AAGGCCGAAA UUCGCU   36

(2)   INFORMATION FOR SEQ ID NO: 428:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 428:

AACGUGACUG AUGAGGCCGA AAGGCCGAAA GGGGUU   36

(2)   INFORMATION FOR SEQ ID NO: 429:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 429:

GAACGUGCUG AUGAGGCCGA AAGGCCGAAA AGGGGU   36

(2)   INFORMATION FOR SEQ ID NO: 430:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 430:

CUAUAGGCUG AUGAGGCCGA AAGGCCGAAA CGUGAA   36

(2)   INFORMATION FOR SEQ ID NO: 431:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 431:

UCUAUAGCUG AUGAGGCCGA AAGGCCGAAA ACGUGA   36

(2)   INFORMATION FOR SEQ ID NO: 432:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 432:

UCCUCUACUG AUGAGGCCGA AAGGCCGAAA GGAACG   36

(2)   INFORMATION FOR SEQ ID NO: 433:

      (i)   SEQUENCE CHARACTERISTICS:
            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 433:

GCUCCUCCUG AUGAGGCCGA AAGGCCGAAA UAGGAA   36

(2)   INFORMATION FOR SEQ ID NO: 434:

  (i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 36 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 434:

CAAGUCACUG AUGAGGCCGA AAGGCCGAAA GUCCCC   36

(2)   INFORMATION FOR SEQ ID NO: 435:

  (i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 36 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 435:

GGAAGCACUG AUGAGGCCGA AAGGCCGAAA GGCGCA   36

(2)   INFORMATION FOR SEQ ID NO: 436:

  (i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 36 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 436:

CACCUGGCUG AUGAGGCCGA AAGGCCGAAA GCAGAG   36

(2)   INFORMATION FOR SEQ ID NO: 437:

  (i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 36 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 437:

UCACCUGCUG AUGAGGCCGA AAGGCCGAAA AGCAGA   36

(2)   INFORMATION FOR SEQ ID NO: 438:
  (i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 36 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 438:

GCUGGCUCUG AUGAGGCCGA AAGGCCGAAA UGGCUU   36

(2)   INFORMATION FOR SEQ ID NO: 439:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 439:

UCAGGAGCUG AUGAGGCCGA AAGGCCGAAA GGGGCC   36

(2)   INFORMATION FOR SEQ ID NO: 440:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 440:

GUGAGAGCUG AUGAGGCCGA AAGGCCGAAA CAGGGG   36

(2)   INFORMATION FOR SEQ ID NO: 441:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 441:

GAUGUGACUG AUGAGGCCGA AAGGCCGAAA GGACAG   36

(2)   INFORMATION FOR SEQ ID NO: 442:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 442:

GGCUGAGCUG AUGAGGCCGA AAGGCCGAAA AGGGAC   36

(2)   INFORMATION FOR SEQ ID NO: 443:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 443:

CAUGGCUCUG AUGAGGCCGA AAGGCCGAAA GGAAGG   36

(2)   INFORMATION FOR SEQ ID NO: 444:

    (i)   SEQUENCE CHARACTERISTICS:

```
            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  444:

GAGAUGGCUG AUGAGGCCGA AAGGCCGAAA GCAGGA                            36


 (2)  INFORMATION FOR SEQ ID NO:  445:

      (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  445:

UAUCAAACUG AUGAGGCCGA AAGGCCGAAA UCGGAU                            36


 (2)  INFORMATION FOR SEQ ID NO:  446:

      (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  446:

GUUAUCACUG AUGAGGCCGA AAGGCCGAAA AAUCGG                            36


 (2)  INFORMATION FOR SEQ ID NO:  447:

      (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  447:

GGUUAUCCUG AUGAGGCCGA AAGGCCGAAA AAAUCG                            36


 (2)  INFORMATION FOR SEQ ID NO:  448:

      (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  448:

GGAACACCUG AUGAGGCCGA AAGGCCGAAA UGGCCA                            36


 (2)  INFORMATION FOR SEQ ID NO:  449:

      (i)  SEQUENCE CHARACTERISTICS:
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```
            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  449:

AGAUCUUCUG AUGAGGCCGA AAGGCCGAAA GCUCGG                          36


  (2)  INFORMATION FOR SEQ ID NO:  450:

       (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  450:

CUCGGCACUG AUGAGGCCGA AAGGCCGAAA UCUUGA                          36


  (2)  INFORMATION FOR SEQ ID NO:  451:

       (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  451:

GCUCCCACUG AUGAGGCCGA AAGGCCGAAA GUUCCG                          36


  (2)  INFORMATION FOR SEQ ID NO:  452:

       (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear
       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  452:

CCCCACCCUG AUGAGGCCGA AAGGCCGAAA GGCAGC                          36


  (2)  INFORMATION FOR SEQ ID NO:  453:

       (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear

       (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  453:

GCAAGAACUG AUGAGGCCGA AAGGCCGAAA UCUCAU                          36


  (2)  INFORMATION FOR SEQ ID NO:  454:

       (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
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```
          (C)   STRANDEDNESS:           single
          (D)   TOPOLOGY:               linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  454:

CAGCAAGCUG AUGAGGCCGA AAGGCCGAAA GAUCUC                          36


(2)   INFORMATION FOR SEQ ID NO:  455:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH:                 36 base pairs
          (B)   TYPE:                   nucleic acid
          (C)   STRANDEDNESS:           single
          (D)   TOPOLOGY:               linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  455:

ACAGCAACUG AUGAGGCCGA AAGGCCGAAA AGAUCU                          36


(2)   INFORMATION FOR SEQ ID NO:  456:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH:                 36 base pairs
          (B)   TYPE:                   nucleic acid
          (C)   STRANDEDNESS:           single
          (D)   TOPOLOGY:               linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  456:

CGCAAUGCUG AUGAGGCCGA AAGGCCGAAA GGAGAA                          36


(2)   INFORMATION FOR SEQ ID NO:  457:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH:                 36 base pairs
          (B)   TYPE:                   nucleic acid
          (C)   STRANDEDNESS:           single
          (D)   TOPOLOGY:               linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  457:

ACACCUCCUG AUGAGGCCGA AAGGCCGAAA UGUCUU                          36


(2)   INFORMATION FOR SEQ ID NO:  458:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH:                 36 base pairs
          (B)   TYPE:                   nucleic acid
          (C)   STRANDEDNESS:           single
          (D)   TOPOLOGY:               linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  458:

CGUGAAACUG AUGAGGCCGA AAGGCCGAAA CACCUC                          36


(2)   INFORMATION FOR SEQ ID NO:  459:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH:                 36 base pairs
          (B)   TYPE:                   nucleic acid
          (C)   STRANDEDNESS:           single
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```
          (D)  TOPOLOGY:              linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  459:

CCCGUGACUG AUGAGGCCGA AAGGCCGAAA UACACC                              36


(2)  INFORMATION FOR SEQ ID NO:  460:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)  LENGTH:                36 base pairs
          (B)  TYPE:                  nucleic acid
          (C)  STRANDEDNESS:          single
          (D)  TOPOLOGY:              linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  460:

UCCCGUGCUG AUGAGGCCGA AAGGCCGAAA AUACAC                              36


(2)  INFORMATION FOR SEQ ID NO:  461:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)  LENGTH:                36 base pairs
          (B)  TYPE:                  nucleic acid
          (C)  STRANDEDNESS:          single
          (D)  TOPOLOGY:              linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  461:

GUCCCGUCUG AUGAGGCCGA AAGGCCGAAA AAUACA                              36


(2)  INFORMATION FOR SEQ ID NO:  462:

     (i)   SEQUENCE CHARACTERISTICS:
          (A)  LENGTH:                36 base pairs
          (B)  TYPE:                  nucleic acid
          (C)  STRANDEDNESS:          single
          (D)  TOPOLOGY:              linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  462:

AGAAAAGCUG AUGAGGCCGA AAGGCCGAAA GCCUCG                              36


(2)  INFORMATION FOR SEQ ID NO:  463:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)  LENGTH:                36 base pairs
          (B)  TYPE:                  nucleic acid
          (C)  STRANDEDNESS:          single
          (D)  TOPOLOGY:              linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  463:

UUGAGAACUG AUGAGGCCGA AAGGCCGAAA GGAGCC                              36


(2)  INFORMATION FOR SEQ ID NO:  464:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)  LENGTH:                36 base pairs
          (B)  TYPE:                  nucleic acid
          (C)  STRANDEDNESS:          single
          (D)  TOPOLOGY:              linear
```

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 464:

CUUGAGACUG AUGAGGCCGA AAGGCCGAAA AGGAGC   36

(2) INFORMATION FOR SEQ ID NO: 465:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 465:

GCUUGAGCUG AUGAGGCCGA AAGGCCGAAA AAGGAG   36

(2) INFORMATION FOR SEQ ID NO: 466:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 466:

AGCUUGACUG AUGAGGCCGA AAGGCCGAAA AAAGGA   36

(2) INFORMATION FOR SEQ ID NO: 467:
    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 467:

GGAACACCUG AUGAGGCCGA AAGGCCGAAA UGGCCA   36

(2) INFORMATION FOR SEQ ID NO: 468:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 468:

AGUCCGGCUG AUGAGGCCGA AAGGCCGAAA CACAAU   36

(2) INFORMATION FOR SEQ ID NO: 469:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 469:

GAGUCCGCUG AUGAGGCCGA AAGGCCGAAA ACACAA   36

(2)   INFORMATION FOR SEQ ID NO: 470:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 470:

GCGUACGCUG AUGAGGCCGA AAGGCCGAAA GGAGUC   36

(2)   INFORMATION FOR SEQ ID NO: 471:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 471:

GUCGGCGCUG AUGAGGCCGA AAGGCCGAAA CGGAGG   36

(2)   INFORMATION FOR SEQ ID NO: 472:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 472:

CGAACAGCUG AUGAGGCCGA AAGGCCGAAA GCCUGG   36

(2)   INFORMATION FOR SEQ ID NO: 473:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 473:

GCAUGGACUG AUGAGGCCGA AAGGCCGAAA CUCGAA   36

(2)   INFORMATION FOR SEQ ID NO: 474:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 474:

CUGCAUGCUG AUGAGGCCGA AAGGCCGAAA GACUCG   36

(2) INFORMATION FOR SEQ ID NO: 475:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 475:

CGAUCAGCUG AUGAGGCCGA AAGGCCGAAA GGCCGC   36

(2) INFORMATION FOR SEQ ID NO: 476:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 476:

GCGAUCACUG AUGAGGCCGA AAGGCCGAAA AGGCCG   36

(2) INFORMATION FOR SEQ ID NO: 477:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 477:

GCUCACUCUG AUGAGGCCGA AAGGCCGAAA GCUCGC   36

(2) INFORMATION FOR SEQ ID NO: 478:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 478:

GUACUGGCUG AUGAGGCCGA AAGGCCGAAA CUCCAU   36

(2) INFORMATION FOR SEQ ID NO: 479:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 479:

AGUACUGCUG AUGAGGCCGA AAGGCCGAAA ACUCCA   36

(2)   INFORMATION FOR SEQ ID NO: 480:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 480:

UGGCAAGCUG AUGAGGCCGA AAGGCCGAAA CUGGAA   36

(2)   INFORMATION FOR SEQ ID NO: 481:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear
    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 481:

UCAUGUGCUG AUGAGGCCGA AAGGCCGAAA UGAGGC   36

(2)   INFORMATION FOR SEQ ID NO: 482:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 482:

CGGUGGCCUG AUGAGGCCGA AAGGCCGAAA UCAUCU   36

(2)   INFORMATION FOR SEQ ID NO: 483:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 483:

GUCUGGCCUG AUGAGGCCGA AAGGCCGAAA GUACUG   36

(2)   INFORMATION FOR SEQ ID NO: 484:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 484:

UCUCUUCCUG AUGAGGCCGA AAGGCCGAAA UCCGGU   36

(2)   INFORMATION FOR SEQ ID NO: 485:

SSSD/74802. v01

    (i) SEQUENCE CHARACTERISTICS:

         (A) LENGTH: 36 base pairs
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS: single
         (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 485:

ACUCUUGCUG AUGAGGCCGA AAGGCCGAAA GGUCUC   36

(2) INFORMATION FOR SEQ ID NO: 486:

    (i) SEQUENCE CHARACTERISTICS:

         (A) LENGTH: 36 base pairs
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS: single
         (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 486:

GGUCUCACUG AUGAGGCCGA AAGGCCGAAA GGUCCU   36

(2) INFORMATION FOR SEQ ID NO: 487:

    (i) SEQUENCE CHARACTERISTICS:

         (A) LENGTH: 36 base pairs
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS: single
         (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 487:

ACUCUUGCUG AUGAGGCCGA AAGGCCGAAA GGUCUC   36

(2) INFORMATION FOR SEQ ID NO: 488:

    (i) SEQUENCE CHARACTERISTICS:

         (A) LENGTH: 36 base pairs
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS: single
         (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 488:

UACUCUUCUG AUGAGGCCGA AAGGCCGAAA AGGUCU   36

(2) INFORMATION FOR SEQ ID NO: 489:

    (i) SEQUENCE CHARACTERISTICS:

         (A) LENGTH: 36 base pairs
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS: single
         (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 489:

UCUUCAUCUG AUGAGGCCGA AAGGCCGAAA UACUCU   36

(2) INFORMATION FOR SEQ ID NO: 490:

    (i) SEQUENCE CHARACTERISTICS:

SSSD/74802. v01

```
            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear
```

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 490:

UUGAAAGCUG AUGAGGCCGA AAGGCCGAAA CUCUUC   36

(2) INFORMATION FOR SEQ ID NO: 491:

      (i) SEQUENCE CHARACTERISTICS:
```
            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear
```

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 491:

CCAUUGACUG AUGAGGCCGA AAGGCCGAAA GGACUC   36

(2) INFORMATION FOR SEQ ID NO: 492:

      (i) SEQUENCE CHARACTERISTICS:

```
            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear
```

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 492:

UCCAUUGCUG AUGAGGCCGA AAGGCCGAAA AGGACU   36

(2) INFORMATION FOR SEQ ID NO: 493:

      (i) SEQUENCE CHARACTERISTICS:

```
            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear
```

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 493:

GUCCAUUCUG AUGAGGCCGA AAGGCCGAAA AAGGAC   36

(2) INFORMATION FOR SEQ ID NO: 494:

      (i) SEQUENCE CHARACTERISTICS:

```
            (A)  LENGTH:              36 base pairs
            (B)  TYPE:                nucleic acid
            (C)  STRANDEDNESS:        single
            (D)  TOPOLOGY:            linear
```

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 494:

CGGGUUGCUG AUGAGGCCGA AAGGCCGAAA GGCCGG   36

(2) INFORMATION FOR SEQ ID NO: 495:

      (i) SEQUENCE CHARACTERISTICS:

```
            (A)  LENGTH:              36 base pairs
```

```
            (B)   TYPE:                    nucleic acid
            (C)   STRANDEDNESS:            single
            (D)   TOPOLOGY:                linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:   495:

UUGGAUCCUG AUGAGGCCGA AAGGCCGAAA GGUGUA                              36


(2)   INFORMATION FOR SEQ ID NO:   496:
     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                  36 base pairs
            (B)   TYPE:                    nucleic acid
            (C)   STRANDEDNESS:            single
            (D)   TOPOLOGY:                linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:   496:

GCACAGCCUG AUGAGGCCGA AAGGCCGAAA UACGCC                              36


(2)   INFORMATION FOR SEQ ID NO:   497:

     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                  36 base pairs
            (B)   TYPE:                    nucleic acid
            (C)   STRANDEDNESS:            single
            (D)   TOPOLOGY:                linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:   497:

UUUCGGGCUG AUGAGGCCGA AAGGCCGAAA GGCACA                              36


(2)   INFORMATION FOR SEQ ID NO:   498:

     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                  36 base pairs
            (B)   TYPE:                    nucleic acid
            (C)   STRANDEDNESS:            single
            (D)   TOPOLOGY:                linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:   498:

ACUUCGGCUG AUGAGGCCGA AAGGCCGAAA AGGCUU                              36


(2)   INFORMATION FOR SEQ ID NO:   499:

     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                  36 base pairs
            (B)   TYPE:                    nucleic acid
            (C)   STRANDEDNESS:            single
            (D)   TOPOLOGY:                linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:   499:

AGAAGUUCUG AUGAGGCCGA AAGGCCGAAA GUUUCG                              36


(2)   INFORMATION FOR SEQ ID NO:   500:

     (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                  36 base pairs
            (B)   TYPE:                    nucleic acid
            (C)   STRANDEDNESS:            single
```

        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 500:

GGGACAGCUG AUGAGGCCGA AAGGCCGAAA GUUGAG   36

(2) INFORMATION FOR SEQ ID NO: 501:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 501:

GGGGACACUG AUGAGGCCGA AAGGCCGAAA AGUUGA   36

(2) INFORMATION FOR SEQ ID NO: 502:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 502:

GCUUGGGCUG AUGAGGCCGA AAGGCCGAAA CAGAAG   36

(2) INFORMATION FOR SEQ ID NO: 503:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 503:

GAAGGUGCUG AUGAGGCCGA AAGGCCGAAA GGGCUG   36

(2) INFORMATION FOR SEQ ID NO: 504:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 504:

GUAAGGCCUG AUGAGGCCGA AAGGCCGAAA UAUGGC   36

(2) INFORMATION FOR SEQ ID NO: 505:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 505:

UGGUGCUCUG AUGAGGCCGA AAGGCCGAAA GGGAUG   36

(2)   INFORMATION FOR SEQ ID NO: 506:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 506:

AUGCUGGCUG AUGAGGCCGA AAGGCCGAAA AGGUGU   36

(2)   INFORMATION FOR SEQ ID NO: 507:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 507:

GAAGCUGCUG AUGAGGCCGA AAGGCCGAAA GAUGGA   36

(2)   INFORMATION FOR SEQ ID NO: 508:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 508:

GCGCGCUCUG AUGAGGCCGA AAGGCCGAAA AGUAAA   36

(2)   INFORMATION FOR SEQ ID NO: 509:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 509:

GCUGAGGCUG AUGAGGCCGA AAGGCCGAAA UGCUGG   36

(2)   INFORMATION FOR SEQ ID NO: 510:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear
   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 510:

CAAAGUUCUG AUGAGGCCGA AAGGCCGAAA UGGUGC   36

(2)   INFORMATION FOR SEQ ID NO: 511:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 511:

CUCAUCACUG AUGAGGCCGA AAGGCCGAAA GUUGAU   36

(2)   INFORMATION FOR SEQ ID NO: 512:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 512:

GGGGGAACUG AUGAGGCCGA AAGGCCGAAA CUCAUC   36

(2)   INFORMATION FOR SEQ ID NO: 513:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 513:

UGGGGGACUG AUGAGGCCGA AAGGCCGAAA ACUCAU   36

(2)   INFORMATION FOR SEQ ID NO: 514:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 514:

AUGGGGGCUG AUGAGGCCGA AAGGCCGAAA AACUCA   36

(2)   INFORMATION FOR SEQ ID NO: 515:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 515:

UGAUGGUCUG AUGAGGCCGA AAGGCCGAAA CAGCAU   36

(2)   INFORMATION FOR SEQ ID NO: 516:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 516:

CUGAUGGCUG AUGAGGCCGA AAGGCCGAAA ACAGCA   36

(2)   INFORMATION FOR SEQ ID NO: 517:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 517:

UCAGGAGCUG AUGAGGCCGA AAGGCCGAAA GGGGCC   36

(2)   INFORMATION FOR SEQ ID NO: 518:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 518:

GGCUGAGCUG AUGAGGCCGA AAGGCCGAAA AGGGAC   36

(2)   INFORMATION FOR SEQ ID NO: 519:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 519:

CUGCCCUCUG AUGAGGCCGA AAGGCCGAAA UGGUAA   36

(2)   INFORMATION FOR SEQ ID NO: 520:

    (i)   SEQUENCE CHARACTERISTICS:
        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 520:

UCAGACUCUG AUGAGGCCGA AAGGCCGAAA ACUCCC   36

SSSD/74802. v01

(2)   INFORMATION FOR SEQ ID NO: 521:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 521:

GAAGGUGCUG AUGAGGCCGA AAGGCCGAAA GGGCUG   36

(2)   INFORMATION FOR SEQ ID NO: 522:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 522:

CGGUGCUCUG AUGAGGCCGA AAGGCCGAAA GGCCAG   36

(2)   INFORMATION FOR SEQ ID NO: 523:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 523:

GCUGAGGCUG AUGAGGCCGA AAGGCCGAAA GGGACC   36

(2)   INFORMATION FOR SEQ ID NO: 524:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 524:

GGGGCAGCUG AUGAGGCCGA AAGGCCGAAA GCUGGG   36

(2)   INFORMATION FOR SEQ ID NO: 525:
   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 525:

GAGCCUGCUG AUGAGGCCGA AAGGCCGAAA GGCUGG   36

(2)   INFORMATION FOR SEQ ID NO: 526:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 526:

GGGGCAGCUG AUGAGGCCGA AAGGCCGAAA GCUGGG   36

(2) INFORMATION FOR SEQ ID NO: 527:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 527:

AGGAAGGCUG AUGAGGCCGA AAGGCCGAAA CCAUGG   36

(2) INFORMATION FOR SEQ ID NO: 528:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 528:

CGCAGCUCUG AUGAGGCCGA AAGGCCGAAA GCCCAC   36

(2) INFORMATION FOR SEQ ID NO: 529:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 529:

UGGGGGACUG AUGAGGCCGA AAGGCCGAAA ACUCAU   36

(2) INFORMATION FOR SEQ ID NO: 530:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 530:

AGACUCGCUG AUGAGGCCGA AAGGCCGAAA CAGGAG   36

(2) INFORMATION FOR SEQ ID NO: 531:

        (i)   SEQUENCE CHARACTERISTICS:

SSSD/74802. v01

```
          (A)   LENGTH:                36 base pairs
          (B)   TYPE:                  nucleic acid
          (C)   STRANDEDNESS:          single
          (D)   TOPOLOGY:              linear
```

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 531:

GGGUUAGCUG AUGAGGCCGA AAGGCCGAAA CUGGGG   36

(2)   INFORMATION FOR SEQ ID NO: 532:

     (i)   SEQUENCE CHARACTERISTICS:

```
          (A)   LENGTH:                36 base pairs
          (B)   TYPE:                  nucleic acid
          (C)   STRANDEDNESS:          single
          (D)   TOPOLOGY:              linear
```

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 532:

CCGGGGUCUG AUGAGGCCGA AAGGCCGAAA GAACUG   36

(2)   INFORMATION FOR SEQ ID NO: 533:

     (i)   SEQUENCE CHARACTERISTICS:

```
          (A)   LENGTH:                36 base pairs
          (B)   TYPE:                  nucleic acid
          (C)   STRANDEDNESS:          single
          (D)   TOPOLOGY:              linear
```

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 533:

GACUGGGCUG AUGAGGCCGA AAGGCCGAAA GGACCC   36

(2)   INFORMATION FOR SEQ ID NO: 534:

     (i)   SEQUENCE CHARACTERISTICS:

```
          (A)   LENGTH:                36 base pairs
          (B)   TYPE:                  nucleic acid
          (C)   STRANDEDNESS:          single
          (D)   TOPOLOGY:              linear
```

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 534:

UCAGCUUCUG AUGAGGCCGA AAGGCCGAAA GAAAAG   36

(2)   INFORMATION FOR SEQ ID NO: 535:

     (i)   SEQUENCE CHARACTERISTICS:

```
          (A)   LENGTH:                36 base pairs
          (B)   TYPE:                  nucleic acid
          (C)   STRANDEDNESS:          single
          (D)   TOPOLOGY:              linear
```

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 535:

GGCUUCCCUG AUGAGGCCGA AAGGCCGAAA CAGCGU   36

(2)   INFORMATION FOR SEQ ID NO: 536:

     (i)   SEQUENCE CHARACTERISTICS:

```
          (A)   LENGTH:                36 base pairs
```

```
        (B)  TYPE:               nucleic acid
        (C)  STRANDEDNESS:       single
        (D)  TOPOLOGY:           linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  536:

AGCAUCACUG AUGAGGCCGA AAGGCCGAAA CUGCAG                    36


(2)  INFORMATION FOR SEQ ID NO:  537:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:             36 base pairs
        (B)  TYPE:               nucleic acid
        (C)  STRANDEDNESS:       single
        (D)  TOPOLOGY:           linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  537:

CAGCAUCCUG AUGAGGCCGA AAGGCCGAAA ACUGCA                    36


(2)  INFORMATION FOR SEQ ID NO:  538:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:             36 base pairs
        (B)  TYPE:               nucleic acid
        (C)  STRANDEDNESS:       single
        (D)  TOPOLOGY:           linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  538:

GCCAAGCCUG AUGAGGCCGA AAGGCCGAAA GGCCCC                    36


(2)  INFORMATION FOR SEQ ID NO:  539:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:             36 base pairs
        (B)  TYPE:               nucleic acid
        (C)  STRANDEDNESS:       single
        (D)  TOPOLOGY:           linear
    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  539:

UGUUGCCCUG AUGAGGCCGA AAGGCCGAAA GCAAGG                    36


(2)  INFORMATION FOR SEQ ID NO:  540:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:             36 base pairs
        (B)  TYPE:               nucleic acid
        (C)  STRANDEDNESS:       single
        (D)  TOPOLOGY:           linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  540:

GUCUGUGCUG AUGAGGCCGA AAGGCCGAAA CACUCC                    36


(2)  INFORMATION FOR SEQ ID NO:  541:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:             36 base pairs
        (B)  TYPE:               nucleic acid
        (C)  STRANDEDNESS:       single
```

```
        (D)  TOPOLOGY:              linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  541:

GGUCUGUCUG AUGAGGCCGA AAGGCCGAAA ACACUC                    36


(2)  INFORMATION FOR SEQ ID NO:  542:

   (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:               36 base pairs
        (B)  TYPE:                 nucleic acid
        (C)  STRANDEDNESS:         single
        (D)  TOPOLOGY:             linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  542:

GUCCACACUG AUGAGGCCGA AAGGCCGAAA UGCCAG                    36


(2)  INFORMATION FOR SEQ ID NO:  543:

   (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:               36 base pairs
        (B)  TYPE:                 nucleic acid
        (C)  STRANDEDNESS:         single
        (D)  TOPOLOGY:             linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  543:

AGUUCCCCUG AUGAGGCCGA AAGGCCGAAA CCGAAG                    36


(2)  INFORMATION FOR SEQ ID NO:  544:

   (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:               36 base pairs
        (B)  TYPE:                 nucleic acid
        (C)  STRANDEDNESS:         single
        (D)  TOPOLOGY:             linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  544:

AAACUCUCUG AUGAGGCCGA AAGGCCGAAA GUUGUC                    36


(2)  INFORMATION FOR SEQ ID NO:  545:

   (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:               36 base pairs
        (B)  TYPE:                 nucleic acid
        (C)  STRANDEDNESS:         single
        (D)  TOPOLOGY:             linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  545:

CUGCUGACUG AUGAGGCCGA AAGGCCGAAA CUCUGA                    36


(2)  INFORMATION FOR SEQ ID NO:  546:

   (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:               36 base pairs
        (B)  TYPE:                 nucleic acid
        (C)  STRANDEDNESS:         single
        (D)  TOPOLOGY:             linear
```

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 546:

GCUGCUGCUG AUGAGGCCGA AAGGCCGAAA ACUCUG   36

(2)   INFORMATION FOR SEQ ID NO: 547:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 547:

AGCUGCUCUG AUGAGGCCGA AAGGCCGAAA AACUCU   36

(2)   INFORMATION FOR SEQ ID NO: 548:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 548:

ACACAGGCUG AUGAGGCCGA AAGGCCGAAA UGCACC   36

(2)   INFORMATION FOR SEQ ID NO: 549:

   (i)   SEQUENCE CHARACTERISTICS:
      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 549:

UUCAGGGCUG AUGAGGCCGA AAGGCCGAAA CUCCAU   36

(2)   INFORMATION FOR SEQ ID NO: 550:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 550:

CGAGUUACUG AUGAGGCCGA AAGGCCGAAA GCUUCA   36

(2)   INFORMATION FOR SEQ ID NO: 551:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 551:

GGCGAGUCUG AUGAGGCCGA AAGGCCGAAA UAGCUU   36

(2)   INFORMATION FOR SEQ ID NO: 552:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 552:

ACCAGGCCUG AUGAGGCCGA AAGGCCGAAA GUUAUA   36

(2)   INFORMATION FOR SEQ ID NO: 553:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 553:

CCCUCUCCUG AUGAGGCCGA AAGGCCGAAA GGAGAG   36

(2)   INFORMATION FOR SEQ ID NO: 554:
    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 554:

GGGGCAGCUG AUGAGGCCGA AAGGCCGAAA GCUGGG   36

(2)   INFORMATION FOR SEQ ID NO: 555:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 555:

CCUACCGCUG AUGAGGCCGA AAGGCCGAAA GCAGGA   36

(2)   INFORMATION FOR SEQ ID NO: 556:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 556:

CAUUGGGCUG AUGAGGCCGA AAGGCCGAAA GCCCCG   36

(2)   INFORMATION FOR SEQ ID NO: 557:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 557:

CUGGGCACUG AUGAGGCCGA AAGGCCGAAA GGUCAG   36

(2)   INFORMATION FOR SEQ ID NO: 558:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 558:

CACCUGGCUG AUGAGGCCGA AAGGCCGAAA GCAGAG   36

(2)   INFORMATION FOR SEQ ID NO: 559:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 559:

UCACCUGCUG AUGAGGCCGA AAGGCCGAAA AGCAGA   36

(2)   INFORMATION FOR SEQ ID NO: 560:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 560:

ACCUCCGCUG AUGAGGCCGA AAGGCCGAAA AGCGAG   36

(2)   INFORMATION FOR SEQ ID NO: 561:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 561:

GGAGGAGCUG AUGAGGCCGA AAGGCCGAAA GUCUUC   36

SSSD/74802. v01

(2)   INFORMATION FOR SEQ ID NO: 562:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 562:

UGGAGGACUG AUGAGGCCGA AAGGCCGAAA AGUCUU   36

(2)   INFORMATION FOR SEQ ID NO: 563:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 563:

AAUGGAGCUG AUGAGGCCGA AAGGCCGAAA GAAGUC   36

(2)   INFORMATION FOR SEQ ID NO: 564:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 564:

CGCAAUGCUG AUGAGGCCGA AAGGCCGAAA GGAGAA   36

(2)   INFORMATION FOR SEQ ID NO: 565:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 565:

UGUCCGCCUG AUGAGGCCGA AAGGCCGAAA UGGAGG   36

(2)   INFORMATION FOR SEQ ID NO: 566:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 566:

AGCAGAGCUG AUGAGGCCGA AAGGCCGAAA GUCCAU   36

(2)   INFORMATION FOR SEQ ID NO: 567:

        (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH: 36 base pairs
                (B)   TYPE: nucleic acid
                (C)   STRANDEDNESS: single
                (D)   TOPOLOGY: linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 567:

GAGCAGACUG AUGAGGCCGA AAGGCCGAAA AGUCCA   36

(2)   INFORMATION FOR SEQ ID NO: 568:

        (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH: 36 base pairs
                (B)   TYPE: nucleic acid
                (C)   STRANDEDNESS: single
                (D)   TOPOLOGY: linear
        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 568:

AAGAGCACUG AUGAGGCCGA AAGGCCGAAA GAAGUC   36

(2)   INFORMATION FOR SEQ ID NO: 569:

        (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH: 36 base pairs
                (B)   TYPE: nucleic acid
                (C)   STRANDEDNESS: single
                (D)   TOPOLOGY: linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 569:

CUGAUCUCUG AUGAGGCCGA AAGGCCGAAA CUCAAA   36

(2)   INFORMATION FOR SEQ ID NO: 570:

        (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH: 36 base pairs
                (B)   TYPE: nucleic acid
                (C)   STRANDEDNESS: single
                (D)   TOPOLOGY: linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 570:

AGGAGCUCUG AUGAGGCCGA AAGGCCGAAA UCUGAC   36

(2)   INFORMATION FOR SEQ ID NO: 571:

        (i)   SEQUENCE CHARACTERISTICS:

                (A)   LENGTH: 36 base pairs
                (B)   TYPE: nucleic acid
                (C)   STRANDEDNESS: single
                (D)   TOPOLOGY: linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 571:

ACCUUAGCUG AUGAGGCCGA AAGGCCGAAA GCUGAU   36

(2)   INFORMATION FOR SEQ ID NO: 572:

        (i)   SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              36 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 572:

AGCACCUCUG AUGAGGCCGA AAGGCCGAAA GGAGCU   36

(2) INFORMATION FOR SEQ ID NO: 573:

    (i) SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              36 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 573:

CUCUUGGCUG AUGAGGCCGA AAGGCCGAAA GCACUG   36

(2) INFORMATION FOR SEQ ID NO: 574:

    (i) SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              36 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 574:

UACAGACCUG AUGAGGCCGA AAGGCCGAAA GCCAUU   36

(2) INFORMATION FOR SEQ ID NO: 575:

    (i) SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              36 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 575:

CACUACACUG AUGAGGCCGA AAGGCCGAAA CGAGCC   36

(2) INFORMATION FOR SEQ ID NO: 576:

    (i) SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              36 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 576:

CGUGCACCUG AUGAGGCCGA AAGGCCGAAA CAGACG   36

(2) INFORMATION FOR SEQ ID NO: 577:

    (i) SEQUENCE CHARACTERISTICS:

```
         (A)  LENGTH:                    36 base pairs
         (B)  TYPE:                      nucleic acid
         (C)  STRANDEDNESS:              single
         (D)  TOPOLOGY:                  linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  577:

GAGGGGGCUG AUGAGGCCGA AAGGCCGAAA CAGUUC                          36
```

(2) INFORMATION FOR SEQ ID NO: 578:

    (i) SEQUENCE CHARACTERISTICS:
```
         (A)  LENGTH:                    36 base pairs
         (B)  TYPE:                      nucleic acid
         (C)  STRANDEDNESS:              single
         (D)  TOPOLOGY:                  linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  578:

UGAGGGGCUG AUGAGGCCGA AAGGCCGAAA ACAGUU                          36
```

(2) INFORMATION FOR SEQ ID NO: 579:

    (i) SEQUENCE CHARACTERISTICS:
```
         (A)  LENGTH:                    36 base pairs
         (B)  TYPE:                      nucleic acid
         (C)  STRANDEDNESS:              single
         (D)  TOPOLOGY:                  linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  579:

GGAAGAUCUG AUGAGGCCGA AAGGCCGAAA GGGGGA                          36
```

(2) INFORMATION FOR SEQ ID NO: 580:

    (i) SEQUENCE CHARACTERISTICS:
```
         (A)  LENGTH:                    36 base pairs
         (B)  TYPE:                      nucleic acid
         (C)  STRANDEDNESS:              single
         (D)  TOPOLOGY:                  linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  580:

CCGGGAACUG AUGAGGCCGA AAGGCCGAAA UGAGGG                          36
```

(2) INFORMATION FOR SEQ ID NO: 581:

    (i) SEQUENCE CHARACTERISTICS:
```
         (A)  LENGTH:                    36 base pairs
         (B)  TYPE:                      nucleic acid
         (C)  STRANDEDNESS:              single
         (D)  TOPOLOGY:                  linear

   (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  581:

UGCCGGGCUG AUGAGGCCGA AAGGCCGAAA GAUGAG                          36
```

(2) INFORMATION FOR SEQ ID NO: 582:

    (i) SEQUENCE CHARACTERISTICS:
```
         (A)  LENGTH:                    36 base pairs
         (B)  TYPE:                      nucleic acid
```

```
                    (C)   STRANDEDNESS:            single
                    (D)   TOPOLOGY:                linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  582:

    CUGCCGGCUG AUGAGGCCGA AAGGCCGAAA AGAUGA                              36


(2)   INFORMATION FOR SEQ ID NO:  583:
      (i)   SEQUENCE CHARACTERISTICS:

                    (A)   LENGTH:                  36 base pairs
                    (B)   TYPE:                    nucleic acid
                    (C)   STRANDEDNESS:            single
                    (D)   TOPOLOGY:                linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  583:

    GGGGCCACUG AUGAGGCCGA AAGGCCGAAA GGCCUG                              36


(2)   INFORMATION FOR SEQ ID NO:  584:

      (i)   SEQUENCE CHARACTERISTICS:

                    (A)   LENGTH:                  36 base pairs
                    (B)   TYPE:                    nucleic acid
                    (C)   STRANDEDNESS:            single
                    (D)   TOPOLOGY:                linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  584:

    CUCCACACUG AUGAGGCCGA AAGGCCGAAA GGGGCC                              36


(2)   INFORMATION FOR SEQ ID NO:  585:

      (i)   SEQUENCE CHARACTERISTICS:

                    (A)   LENGTH:                  36 base pairs
                    (B)   TYPE:                    nucleic acid
                    (C)   STRANDEDNESS:            single
                    (D)   TOPOLOGY:                linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  585:

    GCUCAAUCUG AUGAGGCCGA AAGGCCGAAA UCUCCA                              36


(2)   INFORMATION FOR SEQ ID NO:  586:

      (i)   SEQUENCE CHARACTERISTICS:

                    (A)   LENGTH:                  36 base pairs
                    (B)   TYPE:                    nucleic acid
                    (C)   STRANDEDNESS:            single
                    (D)   TOPOLOGY:                linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  586:

    GCUGCUCCUG AUGAGGCCGA AAGGCCGAAA UGAUCU                              36


(2)   INFORMATION FOR SEQ ID NO:  587:

      (i)   SEQUENCE CHARACTERISTICS:

                    (A)   LENGTH:                  36 base pairs
                    (B)   TYPE:                    nucleic acid
                    (C)   STRANDEDNESS:            single
                    (D)   TOPOLOGY:                linear
```

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 587:

GUAGCGGCUG AUGAGGCCGA AAGGCCGAAA GCGCAU   36

(2)   INFORMATION FOR SEQ ID NO: 588:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 588:

UGUAGCGCUG AUGAGGCCGA AAGGCCGAAA AGCGCA   36

(2)   INFORMATION FOR SEQ ID NO: 589:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 589:

GCACUUGCUG AUGAGGCCGA AAGGCCGAAA GCGGAA   36

(2)   INFORMATION FOR SEQ ID NO: 590:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 590:

GCCCGCGCUG AUGAGGCCGA AAGGCCGAAA GCGCCC   36

(2)   INFORMATION FOR SEQ ID NO: 591:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 591:

CGCCUGGCUG AUGAGGCCGA AAGGCCGAAA UGCUGC   36

(2)   INFORMATION FOR SEQ ID NO: 592:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 592:

UUGGUGGCUG AUGAGGCCGA AAGGCCGAAA UCUGUG   36

(2)   INFORMATION FOR SEQ ID NO: 593:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

       (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 593:

UGAUCUUCUG AUGAGGCCGA AAGGCCGAAA UGGUGG   36

(2)   INFORMATION FOR SEQ ID NO: 594:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

       (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 594:

AGCCAUUCUG AUGAGGCCGA AAGGCCGAAA UCUUGA   36

(2)   INFORMATION FOR SEQ ID NO: 595:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

       (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 595:

UCCUGUGCUG AUGAGGCCGA AAGGCCGAAA GCCAUU   36

(2)   INFORMATION FOR SEQ ID NO: 596:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear

       (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 596:

CCAGGGACUG AUGAGGCCGA AAGGCCGAAA UGCGCA   36

(2)   INFORMATION FOR SEQ ID NO: 597:

       (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH: 36 base pairs
              (B)   TYPE: nucleic acid
              (C)   STRANDEDNESS: single
              (D)   TOPOLOGY: linear
       (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 597:

GACCAGGCUG AUGAGGCCGA AAGGCCGAAA GAUGCG   36

SSSD/74802. v01

(2)   INFORMATION FOR SEQ ID NO: 598:

   (i)   SEQUENCE CHARACTERISTICS:

     (A)   LENGTH: 36 base pairs
     (B)   TYPE: nucleic acid
     (C)   STRANDEDNESS: single
     (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 598:

CCUUGGUCUG AUGAGGCCGA AAGGCCGAAA CCAGGG   36

(2)   INFORMATION FOR SEQ ID NO: 599:

   (i)   SEQUENCE CHARACTERISTICS:

     (A)   LENGTH: 36 base pairs
     (B)   TYPE: nucleic acid
     (C)   STRANDEDNESS: single
     (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 599:

CGGUGAGCUG AUGAGGCCGA AAGGCCGAAA GGGUCC   36

(2)   INFORMATION FOR SEQ ID NO: 600:

   (i)   SEQUENCE CHARACTERISTICS:

     (A)   LENGTH: 36 base pairs
     (B)   TYPE: nucleic acid
     (C)   STRANDEDNESS: single
     (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 600:

GGCCGGUCUG AUGAGGCCGA AAGGCCGAAA GGAGGG   36

(2)   INFORMATION FOR SEQ ID NO: 601:

   (i)   SEQUENCE CHARACTERISTICS:

     (A)   LENGTH: 36 base pairs
     (B)   TYPE: nucleic acid
     (C)   STRANDEDNESS: single
     (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 601:

UGGGGGUCUG AUGAGGCCGA AAGGCCGAAA GGCCGG   36

(2)   INFORMATION FOR SEQ ID NO: 602:

   (i)   SEQUENCE CHARACTERISTICS:

     (A)   LENGTH: 36 base pairs
     (B)   TYPE: nucleic acid
     (C)   STRANDEDNESS: single
     (D)   TOPOLOGY: linear

  (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 602:

UUCCUACCUG AUGAGGCCGA AAGGCCGAAA GCUCGU   36

(2)   INFORMATION FOR SEQ ID NO: 603:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 603:

CCUUUCCCUG AUGAGGCCGA AAGGCCGAAA CAAGCU   36

(2)   INFORMATION FOR SEQ ID NO: 604:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 604:

CUCAUAGCUG AUGAGGCCGA AAGGCCGAAA GCCAUC   36

(2)   INFORMATION FOR SEQ ID NO: 605:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 605:

CCUCAUACUG AUGAGGCCGA AAGGCCGAAA AGCCAU   36

(2)   INFORMATION FOR SEQ ID NO: 606:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 606:

AGCCUCACUG AUGAGGCCGA AAGGCCGAAA GAAGCC   36

(2)   INFORMATION FOR SEQ ID NO: 607:

    (i)   SEQUENCE CHARACTERISTICS:
        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 607:

CCGGGCACUG AUGAGGCCGA AAGGCCGAAA GCUCAG   36

(2)   INFORMATION FOR SEQ ID NO: 608:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 608:

AACUGUGCUG AUGAGGCCGA AAGGCCGAAA UGCAGC   36

(2)   INFORMATION FOR SEQ ID NO: 609:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 609:

UUCUGGACUG AUGAGGCCGA AAGGCCGAAA CUGUGG   36

(2)   INFORMATION FOR SEQ ID NO: 610:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 610:

GUUCUGGCUG AUGAGGCCGA AAGGCCGAAA ACUGUG   36

(2)   INFORMATION FOR SEQ ID NO: 611:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 611:

GGUUCUGCUG AUGAGGCCGA AAGGCCGAAA AACUGU   36

(2)   INFORMATION FOR SEQ ID NO: 612:
    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 612:

CACACUGCUG AUGAGGCCGA AAGGCCGAAA UUCCCA   36

(2)   INFORMATION FOR SEQ ID NO: 613:

    (i)   SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              36 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 613:

UGACUGACUG AUGAGGCCGA AAGGCCGAAA GCCUGC   36

(2) INFORMATION FOR SEQ ID NO: 614:

     (i) SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              36 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 614:

GCUGACUCUG AUGAGGCCGA AAGGCCGAAA UAGCCU   36

(2) INFORMATION FOR SEQ ID NO: 615:

     (i) SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              36 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 615:

AUGCGCUCUG AUGAGGCCGA AAGGCCGAAA CUGAUA   36

(2) INFORMATION FOR SEQ ID NO: 616:

     (i) SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              36 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 616:

UGGUCUGCUG AUGAGGCCGA AAGGCCGAAA UGCGCU   36

(2) INFORMATION FOR SEQ ID NO: 617:

     (i) SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              36 base pairs
        (B)  TYPE:                nucleic acid
        (C)  STRANDEDNESS:        single
        (D)  TOPOLOGY:            linear
```

   (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 617:

AACUUGGCUG AUGAGGCCGA AAGGCCGAAA GGGGUU   36

(2) INFORMATION FOR SEQ ID NO: 618:

     (i) SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:              36 base pairs
```

```
        (B)   TYPE:                  nucleic acid
        (C)   STRANDEDNESS:          single
        (D)   TOPOLOGY:              linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  618:

GAACUUGCUG AUGAGGCCGA AAGGCCGAAA AGGGGU                              36


(2)   INFORMATION FOR SEQ ID NO:  619:

    (i)    SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                36 base pairs
        (B)   TYPE:                  nucleic acid
        (C)   STRANDEDNESS:          single
        (D)   TOPOLOGY:              linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  619:

CUAUAGGCUG AUGAGGCCGA AAGGCCGAAA CUUGGA                              36


(2)   INFORMATION FOR SEQ ID NO:  620:

    (i)    SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                36 base pairs
        (B)   TYPE:                  nucleic acid
        (C)   STRANDEDNESS:          single
        (D)   TOPOLOGY:              linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  620:

UCUAUAGCUG AUGAGGCCGA AAGGCCGAAA ACUUGG                              36


(2)   INFORMATION FOR SEQ ID NO:  621:

    (i)    SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                36 base pairs
        (B)   TYPE:                  nucleic acid
        (C)   STRANDEDNESS:          single
        (D)   TOPOLOGY:              linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  621:

UCUUCUACUG AUGAGGCCGA AAGGCCGAAA GGAACU                              36


(2)   INFORMATION FOR SEQ ID NO:  622:

    (i)    SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                36 base pairs
        (B)   TYPE:                  nucleic acid
        (C)   STRANDEDNESS:          single
        (D)   TOPOLOGY:              linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  622:

GCUCUUCCUG AUGAGGCCGA AAGGCCGAAA UAGGAA                              36


(2)   INFORMATION FOR SEQ ID NO:  623:

    (i)    SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                36 base pairs
        (B)   TYPE:                  nucleic acid
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            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  623:

   CAGGUCGCUG AUGAGGCCGA AAGGCCGAAA GUCCCC                              36


   (2)   INFORMATION FOR SEQ ID NO:  624:

        (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:               36 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  624:

   GGAAGCACUG AUGAGGCCGA AAGGCCGAAA GCCGCA                              36


   (2)   INFORMATION FOR SEQ ID NO:  625:

        (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:               36 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  625:

   CACCUGGCUG AUGAGGCCGA AAGGCCGAAA GCAGAG                              36


   (2)   INFORMATION FOR SEQ ID NO:  626:

        (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:               36 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear
      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  626:

   UCACCUGCUG AUGAGGCCGA AAGGCCGAAA AGCAGA                              36


   (2)   INFORMATION FOR SEQ ID NO:  627:

        (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:               36 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  627:

   CCUGCCUCUG AUGAGGCCGA AAGGCCGAAA UGGGUC                              36


   (2)   INFORMATION FOR SEQ ID NO:  628:

        (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:               36 base pairs
            (B)   TYPE:                 nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear
```

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 628:

GCAGGCGCUG AUGAGGCCGA AAGGCCGAAA GGGGCC   36

(2)   INFORMATION FOR SEQ ID NO: 629:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 629:

GAGGAAGCUG AUGAGGCCGA AAGGCCGAAA CAGGCG   36

(2)   INFORMATION FOR SEQ ID NO: 630:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 630:

GAUGAGGCUG AUGAGGCCGA AAGGCCGAAA GGACAG   36

(2)   INFORMATION FOR SEQ ID NO: 631:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 631:

GGAUGAGCUG AUGAGGCCGA AAGGCCGAAA AGGACA   36

(2)   INFORMATION FOR SEQ ID NO: 632:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 632:

AUGGGAUCUG AUGAGGCCGA AAGGCCGAAA GGAAGG   36

(2)   INFORMATION FOR SEQ ID NO: 633:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 633:

AAGAUGGCUG AUGAGGCCGA AAGGCCGAAA UGAGGA   36

(2) INFORMATION FOR SEQ ID NO: 634:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 634:

UGUCAAACUG AUGAGGCCGA AAGGCCGAAA UGGGAU   36

(2) INFORMATION FOR SEQ ID NO: 635:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 635:

AUUGUCACUG AUGAGGCCGA AAGGCCGAAA GAUGGG   36

(2) INFORMATION FOR SEQ ID NO: 636:

    (i) SEQUENCE CHARACTERISTICS:
        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 636:

GAUUGUCCUG AUGAGGCCGA AAGGCCGAAA AGAUGG   36

(2) INFORMATION FOR SEQ ID NO: 637:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 637:

GGGGCACCUG AUGAGGCCGA AAGGCCGAAA UUGUCA   36

(2) INFORMATION FOR SEQ ID NO: 638:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 638:

AGAUCUUCUG AUGAGGCCGA AAGGCCGAAA GCUCGG   36

(2)   INFORMATION FOR SEQ ID NO: 639:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 639:

CUCGGCACUG AUGAGGCCGA AAGGCCGAAA UCUUGA   36

(2)   INFORMATION FOR SEQ ID NO: 640:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 640:

GCUGCCACUG AUGAGGCCGA AAGGCCGAAA GUUUCG   36

(2)   INFORMATION FOR SEQ ID NO: 641:
    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 641:

CCCCACCCUG AUGAGGCCGA AAGGCCGAAA GGCAGC   36

(2)   INFORMATION FOR SEQ ID NO: 642:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 642:

GUAGGAACUG AUGAGGCCGA AAGGCCGAAA UCUCAU   36

(2)   INFORMATION FOR SEQ ID NO: 643:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 643:

CAGUAGGCUG AUGAGGCCGA AAGGCCGAAA GAUCUC   36

(2)   INFORMATION FOR SEQ ID NO: 644:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 644:

ACAGUAGCUG AUGAGGCCGA AAGGCCGAAA AGAUCU   36

(2)   INFORMATION FOR SEQ ID NO: 645:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 645:

CACACAGCUG AUGAGGCCGA AAGGCCGAAA GGAAGA   36

(2)   INFORMATION FOR SEQ ID NO: 646:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 646:

ACACCUCCUG AUGAGGCCGA AAGGCCGAAA UGUCCU   36

(2)   INFORMATION FOR SEQ ID NO: 647:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 647:

CGUGAAACUG AUGAGGCCGA AAGGCCGAAA CACCUC   36

(2)   INFORMATION FOR SEQ ID NO: 648:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 648:

CCCGUGACUG AUGAGGCCGA AAGGCCGAAA UACACC   36

(2)   INFORMATION FOR SEQ ID NO: 649:

SSSD/74802. v01

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 649:

UCCCGUGCUG AUGAGGCCGA AAGGCCGAAA AUACAC   36

(2)   INFORMATION FOR SEQ ID NO: 650:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 650:

GUCCCGUCUG AUGAGGCCGA AAGGCCGAAA AAUACA   36

(2)   INFORMATION FOR SEQ ID NO: 651:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 651:

CGAAAAGCUG AUGAGGCCGA AAGGCCGAAA GCCUCG   36

(2)   INFORMATION FOR SEQ ID NO: 652:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 652:

UUGCGAACUG AUGAGGCCGA AAGGCCGAAA GGAGCC   36

(2)   INFORMATION FOR SEQ ID NO: 653:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 653:

CUUGCGACUG AUGAGGCCGA AAGGCCGAAA AGGAGC   36

(2)   INFORMATION FOR SEQ ID NO: 654:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 654:

GCUUGCGCUG AUGAGGCCGA AAGGCCGAAA AAGGAG   36

(2)   INFORMATION FOR SEQ ID NO: 655:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear
    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 655:

AGCUUGCCUG AUGAGGCCGA AAGGCCGAAA AAAGGA   36

(2)   INFORMATION FOR SEQ ID NO: 656:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 656:

GGAACACCUG AUGAGGCCGA AAGGCCGAAA UGGCCA   36

(2)   INFORMATION FOR SEQ ID NO: 657:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 657:

GGUCCGGCUG AUGAGGCCGA AAGGCCGAAA CACAAU   36

(2)   INFORMATION FOR SEQ ID NO: 658:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 658:

GGGUCCGCUG AUGAGGCCGA AAGGCCGAAA ACACAA   36

(2)   INFORMATION FOR SEQ ID NO: 659:

    (i)   SEQUENCE CHARACTERISTICS:

```
        (A)  LENGTH:                  36 base pairs
        (B)  TYPE:                    nucleic acid
        (C)  STRANDEDNESS:            single
        (D)  TOPOLOGY:                linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  659:

GCGUAGGCUG AUGAGGCCGA AAGGCCGAAA GGGGUC                              36


(2)  INFORMATION FOR SEQ ID NO:  660:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                  36 base pairs
        (B)  TYPE:                    nucleic acid
        (C)  STRANDEDNESS:            single
        (D)  TOPOLOGY:                linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  660:

GUCUGCGCUG AUGAGGCCGA AAGGCCGAAA GGGAGG                              36


(2)  INFORMATION FOR SEQ ID NO:  661:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                  36 base pairs
        (B)  TYPE:                    nucleic acid
        (C)  STRANDEDNESS:            single
        (D)  TOPOLOGY:                linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  661:

CGCACAGCUG AUGAGGCCGA AAGGCCGAAA GCCUGC                              36


(2)  INFORMATION FOR SEQ ID NO:  662:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                  36 base pairs
        (B)  TYPE:                    nucleic acid
        (C)  STRANDEDNESS:            single
        (D)  TOPOLOGY:                linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  662:

GCAUGGACUG AUGAGGCCGA AAGGCCGAAA CACGCA                              36


(2)  INFORMATION FOR SEQ ID NO:  663:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                  36 base pairs
        (B)  TYPE:                    nucleic acid
        (C)  STRANDEDNESS:            single
        (D)  TOPOLOGY:                linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  663:

CUGCAUGCUG AUGAGGCCGA AAGGCCGAAA GACACG                              36


(2)  INFORMATION FOR SEQ ID NO:  664:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                  36 base pairs
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              (B)   TYPE:                    nucleic acid
              (C)   STRANDEDNESS:            single
              (D)   TOPOLOGY:                linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  664:

    CGGUCGGCUG AUGAGGCCGA AAGGCCGAAA GGCCGC                              36


    (2)   INFORMATION FOR SEQ ID NO:  665:

        (i)   SEQUENCE CHARACTERISTICS:
              (A)   LENGTH:                  36 base pairs
              (B)   TYPE:                    nucleic acid
              (C)   STRANDEDNESS:            single
              (D)   TOPOLOGY:                linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  665:

    CCGGUCGCUG AUGAGGCCGA AAGGCCGAAA AGGCCG                              36


    (2)   INFORMATION FOR SEQ ID NO:  666:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH:                  36 base pairs
              (B)   TYPE:                    nucleic acid
              (C)   STRANDEDNESS:            single
              (D)   TOPOLOGY:                linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  666:

    GCUCACUCUG AUGAGGCCGA AAGGCCGAAA GCUCCC                              36


    (2)   INFORMATION FOR SEQ ID NO:  667:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH:                  36 base pairs
              (B)   TYPE:                    nucleic acid
              (C)   STRANDEDNESS:            single
              (D)   TOPOLOGY:                linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  667:

    GUACUGGCUG AUGAGGCCGA AAGGCCGAAA UUCCAU                              36


    (2)   INFORMATION FOR SEQ ID NO:  668:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH:                  36 base pairs
              (B)   TYPE:                    nucleic acid
              (C)   STRANDEDNESS:            single
              (D)   TOPOLOGY:                linear

        (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  668:

    GGUACUGCUG AUGAGGCCGA AAGGCCGAAA AUUCCA                              36


    (2)   INFORMATION FOR SEQ ID NO:  669:

        (i)   SEQUENCE CHARACTERISTICS:

              (A)   LENGTH:                  36 base pairs
              (B)   TYPE:                    nucleic acid
              (C)   STRANDEDNESS:            single
```

```
        (D)  TOPOLOGY:            linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  669:

UGGCAGGCUG AUGAGGCCGA AAGGCCGAAA CUGGAA                              36


(2)  INFORMATION FOR SEQ ID NO:  670:
    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:             36 base pairs
        (B)  TYPE:               nucleic acid
        (C)  STRANDEDNESS:       single
        (D)  TOPOLOGY:           linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  670:

UCGUCUGCUG AUGAGGCCGA AAGGCCGAAA UCUGGC                              36


(2)  INFORMATION FOR SEQ ID NO:  671:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:             36 base pairs
        (B)  TYPE:               nucleic acid
        (C)  STRANDEDNESS:       single
        (D)  TOPOLOGY:           linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  671:

CGGUGACCUG AUGAGGCCGA AAGGCCGAAA UCGUCU                              36


(2)  INFORMATION FOR SEQ ID NO:  672:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:             36 base pairs
        (B)  TYPE:               nucleic acid
        (C)  STRANDEDNESS:       single
        (D)  TOPOLOGY:           linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  672:

AUCCGGUCUG AUGAGGCCGA AAGGCCGAAA CGAUCG                              36


(2)  INFORMATION FOR SEQ ID NO:  673:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:             36 base pairs
        (B)  TYPE:               nucleic acid
        (C)  STRANDEDNESS:       single
        (D)  TOPOLOGY:           linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  673:

UCUCCUCCUG AUGAGGCCGA AAGGCCGAAA UCCGGU                              36


(2)  INFORMATION FOR SEQ ID NO:  674:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:             36 base pairs
        (B)  TYPE:               nucleic acid
        (C)  STRANDEDNESS:       single
        (D)  TOPOLOGY:           linear
```

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 674:

GUCCUUUCUG AUGAGGCCGA AAGGCCGAAA CGUUUC   36

(2) INFORMATION FOR SEQ ID NO: 675:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 675:

GGUCUCACUG AUGAGGCCGA AAGGCCGAAA UGUCCU   36

(2) INFORMATION FOR SEQ ID NO: 676:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 676:

GCUCUUGCUG AUGAGGCCGA AAGGCCGAAA GGUCUC   36

(2) INFORMATION FOR SEQ ID NO: 677:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 677:

UGCUCUUCUG AUGAGGCCGA AAGGCCGAAA AGGUCU   36

(2) INFORMATION FOR SEQ ID NO: 678:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 678:

UCUUCAUCUG AUGAGGCCGA AAGGCCGAAA UGCUCU   36

(2) INFORMATION FOR SEQ ID NO: 679:

    (i) SEQUENCE CHARACTERISTICS:

        (A) LENGTH: 36 base pairs
        (B) TYPE: nucleic acid
        (C) STRANDEDNESS: single
        (D) TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 679:

CUGAAAGCUG AUGAGGCCGA AAGGCCGAAA CUCUUC   36

(2)   INFORMATION FOR SEQ ID NO: 680:

        (i)   SEQUENCE CHARACTERISTICS:

               (A)   LENGTH: 36 base pairs
               (B)   TYPE: nucleic acid
               (C)   STRANDEDNESS: single
               (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 680:

CCGCUGACUG AUGAGGCCGA AAGGCCGAAA GGACUC   36

(2)   INFORMATION FOR SEQ ID NO: 681:

        (i)   SEQUENCE CHARACTERISTICS:

               (A)   LENGTH: 36 base pairs
               (B)   TYPE: nucleic acid
               (C)   STRANDEDNESS: single
               (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 681:

UCCGCUGCUG AUGAGGCCGA AAGGCCGAAA AGGACU   36

(2)   INFORMATION FOR SEQ ID NO: 682:

        (i)   SEQUENCE CHARACTERISTICS:

               (A)   LENGTH: 36 base pairs
               (B)   TYPE: nucleic acid
               (C)   STRANDEDNESS: single
               (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 682:

GUCCGCUCUG AUGAGGCCGA AAGGCCGAAA AAGGAC   36

(2)   INFORMATION FOR SEQ ID NO: 683:

        (i)   SEQUENCE CHARACTERISTICS:

               (A)   LENGTH: 36 base pairs
               (B)   TYPE: nucleic acid
               (C)   STRANDEDNESS: single
               (D)   TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 683:

CGAGGUGCUG AUGAGGCCGA AAGGCCGAAA GGCCGG   36

(2)   INFORMATION FOR SEQ ID NO: 684:

        (i)   SEQUENCE CHARACTERISTICS:

               (A)   LENGTH: 36 base pairs
               (B)   TYPE: nucleic acid
               (C)   STRANDEDNESS: single
               (D)   TOPOLOGY: linear
        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 684:

AUGCGUCCUG AUGAGGCCGA AAGGCCGAAA GGUGGA   36

(2)   INFORMATION FOR SEQ ID NO: 685:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 685:

GCACAGCCUG AUGAGGCCGA AAGGCCGAAA UGCGUC   36

(2)   INFORMATION FOR SEQ ID NO: 686:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 686:

CUGCGGGCUG AUGAGGCCGA AAGGCCGAAA GGCACA   36

(2)   INFORMATION FOR SEQ ID NO: 687:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 687:

GCUGCGGCUG AUGAGGCCGA AAGGCCGAAA AGGCAC   36

(2)   INFORMATION FOR SEQ ID NO: 688:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 688:

AGAAGCUCUG AUGAGGCCGA AAGGCCGAAA GCUGCG   36

(2)   INFORMATION FOR SEQ ID NO: 689:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 36 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 689:

GGGACAGCUG AUGAGGCCGA AAGGCCGAAA GCUGAG   36

(2)   INFORMATION FOR SEQ ID NO: 690:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 690:

GGGGACACUG AUGAGGCCGA AAGGCCGAAA AGCUGA   36

(2)   INFORMATION FOR SEQ ID NO: 691:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 691:

GCUUGGGCUG AUGAGGCCGA AAGGCCGAAA CAGAAG   36

(2)   INFORMATION FOR SEQ ID NO: 692:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 692:

AAAGGGACUG AUGAGGCCGA AAGGCCGAAA GGGCUG   36

(2)   INFORMATION FOR SEQ ID NO: 693:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 693:

GUAAAGGCUG AUGAGGCCGA AAGGCCGAAA UAGGGC   36

(2)   INFORMATION FOR SEQ ID NO: 694:

    (i)   SEQUENCE CHARACTERISTICS:
        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 694:

UGACGUACUG AUGAGGCCGA AAGGCCGAAA GGGAUA   36

(2)   INFORMATION FOR SEQ ID NO: 695:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 695:

AUGACGUCUG AUGAGGCCGA AAGGCCGAAA AGGGAU   36

(2)   INFORMATION FOR SEQ ID NO: 696:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 696:

GAUGACGCUG AUGAGGCCGA AAGGCCGAAA AAGGGA   36

(2)   INFORMATION FOR SEQ ID NO: 697:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 697:

CAGGGAUCUG AUGAGGCCGA AAGGCCGAAA CGUAAA   36

(2)   INFORMATION FOR SEQ ID NO: 698:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 698:

GCUCAGGCUG AUGAGGCCGA AAGGCCGAAA UGACGU   36

(2)   INFORMATION FOR SEQ ID NO: 699:
    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 699:

CAUAGUUCUG AUGAGGCCGA AAGGCCGAAA UGGUGC   36

(2)   INFORMATION FOR SEQ ID NO: 700:

    (i)   SEQUENCE CHARACTERISTICS:

```
            (A)   LENGTH:                36 base pairs
            (B)   TYPE:                  nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  700:

CUCAUCACUG AUGAGGCCGA AAGGCCGAAA GUUGAU                              36


(2)   INFORMATION FOR SEQ ID NO:  701:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                36 base pairs
            (B)   TYPE:                  nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  701:

GGUGGGACUG AUGAGGCCGA AAGGCCGAAA CUCAUC                              36


(2)   INFORMATION FOR SEQ ID NO:  702:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                36 base pairs
            (B)   TYPE:                  nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  702:

UGGUGGGCUG AUGAGGCCGA AAGGCCGAAA ACUCAU                              36


(2)   INFORMATION FOR SEQ ID NO:  703:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                36 base pairs
            (B)   TYPE:                  nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  703:

AUGGUGGCUG AUGAGGCCGA AAGGCCGAAA AACUCA                              36

(2)   INFORMATION FOR SEQ ID NO:  704:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                36 base pairs
            (B)   TYPE:                  nucleic acid
            (C)   STRANDEDNESS:          single
            (D)   TOPOLOGY:              linear

      (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  704:

AGAAGGACUG AUGAGGCCGA AAGGCCGAAA CACCAU                              36


(2)   INFORMATION FOR SEQ ID NO:  705:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH:                36 base pairs
            (B)   TYPE:                  nucleic acid
```

```
        (C)  STRANDEDNESS:          single
        (D)  TOPOLOGY:              linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  705:

CAGAAGGCUG AUGAGGCCGA AAGGCCGAAA ACACCA                          36


(2)  INFORMATION FOR SEQ ID NO:  706:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                36 base pairs
        (B)  TYPE:                  nucleic acid
        (C)  STRANDEDNESS:          single
        (D)  TOPOLOGY:              linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  706:

CCAGAAGCUG AUGAGGCCGA AAGGCCGAAA AACACC                          36


(2)  INFORMATION FOR SEQ ID NO:  707:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                36 base pairs
        (B)  TYPE:                  nucleic acid
        (C)  STRANDEDNESS:          single
        (D)  TOPOLOGY:              linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  707:

UGCCCAGCUG AUGAGGCCGA AAGGCCGAAA GGAAAC                          36


(2)  INFORMATION FOR SEQ ID NO:  708:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                36 base pairs
        (B)  TYPE:                  nucleic acid
        (C)  STRANDEDNESS:          single
        (D)  TOPOLOGY:              linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  708:

CUGCCCACUG AUGAGGCCGA AAGGCCGAAA AGGAAA                          36


(2)  INFORMATION FOR SEQ ID NO:  709:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                36 base pairs
        (B)  TYPE:                  nucleic acid
        (C)  STRANDEDNESS:          single
        (D)  TOPOLOGY:              linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  709:

CCUGGCUCUG AUGAGGCCGA AAGGCCGAAA UCUGCC                          36


(2)  INFORMATION FOR SEQ ID NO:  710:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                36 base pairs
        (B)  TYPE:                  nucleic acid
        (C)  STRANDEDNESS:          single
```

```
            (D)  TOPOLOGY:                 linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  710:

CAAGGCCCUG AUGAGGCCGA AAGGCCGAAA GGCCUG                              36


(2)  INFORMATION FOR SEQ ID NO:  711:

    (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:                 36 base pairs
            (B)  TYPE:                   nucleic acid
            (C)  STRANDEDNESS:           single
            (D)  TOPOLOGY:               linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  711:

CGGGGCCCUG AUGAGGCCGA AAGGCCGAAA GGCCGA                              36


(2)  INFORMATION FOR SEQ ID NO:  712:

    (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:                 36 base pairs
            (B)  TYPE:                   nucleic acid
            (C)  STRANDEDNESS:           single
            (D)  TOPOLOGY:               linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  712:

ACUUGGGCUG AUGAGGCCGA AAGGCCGAAA GGGGCC                              36


(2)  INFORMATION FOR SEQ ID NO:  713:

    (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:                 36 base pairs
            (B)  TYPE:                   nucleic acid
            (C)  STRANDEDNESS:           single
            (D)  TOPOLOGY:               linear
    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  713:

GGGGCAGCUG AUGAGGCCGA AAGGCCGAAA CUUGGG                              36


(2)  INFORMATION FOR SEQ ID NO:  714:

    (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:                 36 base pairs
            (B)  TYPE:                   nucleic acid
            (C)  STRANDEDNESS:           single
            (D)  TOPOLOGY:               linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  714:

GGGGCUGCUG AUGAGGCCGA AAGGCCGAAA GCCUGG                              36


(2)  INFORMATION FOR SEQ ID NO:  715:

    (i)  SEQUENCE CHARACTERISTICS:

            (A)  LENGTH:                 36 base pairs
            (B)  TYPE:                   nucleic acid
            (C)  STRANDEDNESS:           single
            (D)  TOPOLOGY:               linear
```

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 715:

AUGGCUGCUG AUGAGGCCGA AAGGCCGAAA GCAGGG   36

(2) INFORMATION FOR SEQ ID NO: 716:

        (i) SEQUENCE CHARACTERISTICS:

              (A) LENGTH: 36 base pairs
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 716:

GAGCUGACUG AUGAGGCCGA AAGGCCGAAA CCAUGG   36

(2) INFORMATION FOR SEQ ID NO: 717:

        (i) SEQUENCE CHARACTERISTICS:

              (A) LENGTH: 36 base pairs
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 717:

CAGAGCUCUG AUGAGGCCGA AAGGCCGAAA UACCAU   36

(2) INFORMATION FOR SEQ ID NO: 718:

        (i) SEQUENCE CHARACTERISTICS:

              (A) LENGTH: 36 base pairs
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 718:

UGGGCCACUG AUGAGGCCGA AAGGCCGAAA GCUGAU   36

(2) INFORMATION FOR SEQ ID NO: 719:

        (i) SEQUENCE CHARACTERISTICS:

              (A) LENGTH: 36 base pairs
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 719:

GGACUGGCUG AUGAGGCCGA AAGGCCGAAA CAGGGG   36

(2) INFORMATION FOR SEQ ID NO: 720:

        (i) SEQUENCE CHARACTERISTICS:

              (A) LENGTH: 36 base pairs
              (B) TYPE: nucleic acid
              (C) STRANDEDNESS: single
              (D) TOPOLOGY: linear

        (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 720:

GGGCUAGCUG AUGAGGCCGA AAGGCCGAAA CUGGGA   36

(2)   INFORMATION FOR SEQ ID NO: 721:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 721:

CUGGGGCCUG AUGAGGCCGA AAGGCCGAAA GGACUG   36

(2)   INFORMATION FOR SEQ ID NO: 722:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 722:

GCCUGAGCUG AUGAGGCCGA AAGGCCGAAA GGGCCU   36

(2)   INFORMATION FOR SEQ ID NO: 723:

      (i)   SEQUENCE CHARACTERISTICS:
            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 723:

ACAGCCUCUG AUGAGGCCGA AAGGCCGAAA GGAGGG   36

(2)   INFORMATION FOR SEQ ID NO: 724:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 724:

GGCCUCUCUG AUGAGGCCGA AAGGCCGAAA CAGCGU   36

(2)   INFORMATION FOR SEQ ID NO: 725:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 725:

AUCAUCACUG AUGAGGCCGA AAGGCCGAAA CUGCAG   36

(2)   INFORMATION FOR SEQ ID NO: 726:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 726:

CAUCAUCCUG AUGAGGCCGA AAGGCCGAAA ACUGCA   36

(2)   INFORMATION FOR SEQ ID NO: 727:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 727:

GCCAAGCCUG AUGAGGCCGA AAGGCCGAAA GGCCCC   36

(2)   INFORMATION FOR SEQ ID NO: 728:
    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 728:

UGUUGCCCUG AUGAGGCCGA AAGGCCGAAA GCAAGG   36

(2)   INFORMATION FOR SEQ ID NO: 729:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
         (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 729:

GUCUGUGCUG AUGAGGCCGA AAGGCCGAAA CACAGC   36

(2)   INFORMATION FOR SEQ ID NO: 730:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
         (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 730:

GGUCUGUCUG AUGAGGCCGA AAGGCCGAAA ACACAG   36

(2)   INFORMATION FOR SEQ ID NO: 731:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 731:

GUCGACGCUG AUGAGGCCGA AAGGCCGAAA UGCCAG   36

(2)   INFORMATION FOR SEQ ID NO: 732:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 732:

AGUUGUCCUG AUGAGGCCGA AAGGCCGAAA CGGAUG   36

(2)   INFORMATION FOR SEQ ID NO: 733:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 733:

AAACUCGCUG AUGAGGCCGA AAGGCCGAAA GUUGUC   36

(2)   INFORMATION FOR SEQ ID NO: 734:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 734:

CUGCUGACUG AUGAGGCCGA AAGGCCGAAA CUCGGA   36

(2)   INFORMATION FOR SEQ ID NO: 735:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 36 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 735:

GCUGCUGCUG AUGAGGCCGA AAGGCCGAAA ACUCGG   36

(2)   INFORMATION FOR SEQ ID NO: 736:

(i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 36 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 736:

AGCUGCUCUG AUGAGGCCGA AAGGCCGAAA AACUCG   36

(2)   INFORMATION FOR SEQ ID NO: 737:

    (i)   SEQUENCE CHARACTERISTICS:

       (A)   LENGTH: 36 base pairs
       (B)   TYPE: nucleic acid
       (C)   STRANDEDNESS: single
       (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 737:

CCACAGGCUG AUGAGGCCGA AAGGCCGAAA UGCCCU   36

(2)   INFORMATION FOR SEQ ID NO: 738:

    (i)   SEQUENCE CHARACTERISTICS:

       (A)   LENGTH: 36 base pairs
       (B)   TYPE: nucleic acid
       (C)   STRANDEDNESS: single
       (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 738:

CUCAGGGCUG AUGAGGCCGA AAGGCCGAAA CUCCAU   36

(2)   INFORMATION FOR SEQ ID NO: 739:

    (i)   SEQUENCE CHARACTERISTICS:

       (A)   LENGTH: 36 base pairs
       (B)   TYPE: nucleic acid
       (C)   STRANDEDNESS: single
       (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 739:

CGAGUUACUG AUGAGGCCGA AAGGCCGAAA GCCUCA   36

(2)   INFORMATION FOR SEQ ID NO: 740:

    (i)   SEQUENCE CHARACTERISTICS:

       (A)   LENGTH: 36 base pairs
       (B)   TYPE: nucleic acid
       (C)   STRANDEDNESS: single
       (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 740:

GGCGAGUCUG AUGAGGCCGA AAGGCCGAAA UAGCCU   36

(2)   INFORMATION FOR SEQ ID NO: 741:

    (i)   SEQUENCE CHARACTERISTICS:

```
        (A)   LENGTH:              36 base pairs
        (B)   TYPE:                nucleic acid
        (C)   STRANDEDNESS:        single
        (D)   TOPOLOGY:            linear
```

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 741:

ACUAGGCCUG AUGAGGCCGA AAGGCCGAAA GUUAUA   36

(2)   INFORMATION FOR SEQ ID NO: 742:

     (i)   SEQUENCE CHARACTERISTICS:

```
        (A)   LENGTH:              36 base pairs
        (B)   TYPE:                nucleic acid
        (C)   STRANDEDNESS:        single
        (D)   TOPOLOGY:            linear
```
   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 742:

CUGUCACCUG AUGAGGCCGA AAGGCCGAAA GGCGAG   36

(2)   INFORMATION FOR SEQ ID NO: 743:

     (i)   SEQUENCE CHARACTERISTICS:

```
        (A)   LENGTH:              36 base pairs
        (B)   TYPE:                nucleic acid
        (C)   STRANDEDNESS:        single
        (D)   TOPOLOGY:            linear
```

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 743:

GGAGCAGCUG AUGAGGCCGA AAGGCCGAAA GCUGGG   36

(2)   INFORMATION FOR SEQ ID NO: 744:

     (i)   SEQUENCE CHARACTERISTICS:

```
        (A)   LENGTH:              36 base pairs
        (B)   TYPE:                nucleic acid
        (C)   STRANDEDNESS:        single
        (D)   TOPOLOGY:            linear
```

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 744:

CCCAGUGCUG AUGAGGCCGA AAGGCCGAAA GCAGGA   36

(2)   INFORMATION FOR SEQ ID NO: 745:

     (i)   SEQUENCE CHARACTERISTICS:

```
        (A)   LENGTH:              36 base pairs
        (B)   TYPE:                nucleic acid
        (C)   STRANDEDNESS:        single
        (D)   TOPOLOGY:            linear
```

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 745:

CAUUGGGCUG AUGAGGCCGA AAGGCCGAAA GCCCCG   36

(2)   INFORMATION FOR SEQ ID NO: 746:

     (i)   SEQUENCE CHARACTERISTICS:

```
        (A)   LENGTH:              36 base pairs
```

```
        (B)  TYPE:                   nucleic acid
        (C)  STRANDEDNESS:           single
        (D)  TOPOLOGY:               linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  746:

CUGAAAGCUG AUGAGGCCGA AAGGCCGAAA GGCCAU                        36


(2)  INFORMATION FOR SEQ ID NO:  747:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                 36 base pairs
        (B)  TYPE:                   nucleic acid
        (C)  STRANDEDNESS:           single
        (D)  TOPOLOGY:               linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  747:

CUCCUGACUG AUGAGGCCGA AAGGCCGAAA GGAGGC                        36


(2)  INFORMATION FOR SEQ ID NO:  748:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                 36 base pairs
        (B)  TYPE:                   nucleic acid
        (C)  STRANDEDNESS:           single
        (D)  TOPOLOGY:               linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  748:

UCUCCUGCUG AUGAGGCCGA AAGGCCGAAA AGGAGG                        36


(2)  INFORMATION FOR SEQ ID NO:  749:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                 36 base pairs
        (B)  TYPE:                   nucleic acid
        (C)  STRANDEDNESS:           single
        (D)  TOPOLOGY:               linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  749:

AUCUCCUCUG AUGAGGCCGA AAGGCCGAAA AAGGAG                        36


(2)  INFORMATION FOR SEQ ID NO:  750:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                 36 base pairs
        (B)  TYPE:                   nucleic acid
        (C)  STRANDEDNESS:           single
        (D)  TOPOLOGY:               linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  750:

GGAGGAGCUG AUGAGGCCGA AAGGCCGAAA GUCUUC                        36


(2)  INFORMATION FOR SEQ ID NO:  751:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                 36 base pairs
        (B)  TYPE:                   nucleic acid
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        (C)  STRANDEDNESS:              single
        (D)  TOPOLOGY:                  linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  751:

UGGAGGACUG AUGAGGCCGA AAGGCCGAAA AGUCUU                              36


(2)  INFORMATION FOR SEQ ID NO:  752:

    (i)  SEQUENCE CHARACTERISTICS:
        (A)  LENGTH:                    36 base pairs
        (B)  TYPE:                      nucleic acid
        (C)  STRANDEDNESS:              single
        (D)  TOPOLOGY:                  linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  752:

AAUGGAGCUG AUGAGGCCGA AAGGCCGAAA GAAGUC                              36


(2)  INFORMATION FOR SEQ ID NO:  753:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                    36 base pairs
        (B)  TYPE:                      nucleic acid
        (C)  STRANDEDNESS:              single
        (D)  TOPOLOGY:                  linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  753:

CGCAAUGCUG AUGAGGCCGA AAGGCCGAAA GGAGAA                              36


(2)  INFORMATION FOR SEQ ID NO:  754:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                    36 base pairs
        (B)  TYPE:                      nucleic acid
        (C)  STRANDEDNESS:              single
        (D)  TOPOLOGY:                  linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  754:

UGUCCGCCUG AUGAGGCCGA AAGGCCGAAA UGGAGG                              36


(2)  INFORMATION FOR SEQ ID NO:  755:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                    36 base pairs
        (B)  TYPE:                      nucleic acid
        (C)  STRANDEDNESS:              single
        (D)  TOPOLOGY:                  linear

    (xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  755:

GGCUGAGCUG AUGAGGCCGA AAGGCCGAAA GUCCAU                              36


(2)  INFORMATION FOR SEQ ID NO:  756:

    (i)  SEQUENCE CHARACTERISTICS:

        (A)  LENGTH:                    36 base pairs
        (B)  TYPE:                      nucleic acid
        (C)  STRANDEDNESS:              single
        (D)  TOPOLOGY:                  linear
```

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 756:

GGGCUGACUG AUGAGGCCGA AAGGCCGAAA AGUCCA   36

(2)   INFORMATION FOR SEQ ID NO: 757:
      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 757:

CAGGGCUCUG AUGAGGCCGA AAGGCCGAAA GAAGUC   36

(2)   INFORMATION FOR SEQ ID NO: 758:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 758:

CUGAUCUCUG AUGAGGCCGA AAGGCCGAAA CUCAGC   36

(2)   INFORMATION FOR SEQ ID NO: 759:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 759:

AGGAGCUCUG AUGAGGCCGA AAGGCCGAAA UCUGAC   36

(2)   INFORMATION FOR SEQ ID NO: 760:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 760:

CCCUUAGCUG AUGAGGCCGA AAGGCCGAAA GCUGAU   36

(2)   INFORMATION FOR SEQ ID NO: 761:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 761:

ACCCCCUCUG AUGAGGCCGA AAGGCCGAAA GGAGCU   36

(2)   INFORMATION FOR SEQ ID NO: 762:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 36 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 762:

CUCUGGGCUG AUGAGGCCGA AAGGCCGAAA GGGCAG   36

(2)   INFORMATION FOR SEQ ID NO: 763:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 52 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 763:

UGAGGGGGAG AAGUUCACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 764:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 52 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 764:

GCUGCUUGAG AAGCUCACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 765:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 52 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 765:

GCCAUCCCAG AAGUCCACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 766:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 52 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 766:

GUUCUGGAAG AAGUGGACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 767:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 52 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 767:

GAAGGACAAG AAGCAGACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 768:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 52 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 768:

UUGAGCUCAG AAGUGUACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 769:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 52 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 769:

CCCACCGAAG AAGCUGACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 770:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 52 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 770:

AGGCUGGGAG AAGCGUACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 771:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)   LENGTH: 52 base pairs
      (B)   TYPE: nucleic acid
      (C)   STRANDEDNESS: single
      (D)   TOPOLOGY: linear
   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 771:

GGUCGGAAAG AAGCCGACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 772:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 52 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 772:

UGACGAUCAG AAGUAUACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 773:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 52 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 773:

GUCGGUGGAG AAGCUGACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 774:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 52 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 774:

GGCCGGGGAG AAGUGGACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 775:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 52 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 775:

CAUCAUCAAG AAGCAGACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 776:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 52 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 776:

ACAGCUGGAG AAGUGCACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 777:

(i)   SEQUENCE CHARACTERISTICS:

    (A)   LENGTH: 52 base pairs
    (B)   TYPE: nucleic acid
    (C)   STRANDEDNESS: single
    (D)   TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 777:

GAUGCCAGAG AAGUGAACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 778:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 16 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 778:

GAACUGUUCC CCCUCA   16

(2)   INFORMATION FOR SEQ ID NO: 779:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 16 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 779:

GAGCAGCCCA AGCAGC   16

(2)   INFORMATION FOR SEQ ID NO: 780:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 16 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 780:

GGACUGCCGG GAUGGC   16

(2)   INFORMATION FOR SEQ ID NO: 781:

    (i)   SEQUENCE CHARACTERISTICS:
        (A)   LENGTH: 16 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 781:

CCACAGUUUC CAGAAC   16

(2)   INFORMATION FOR SEQ ID NO: 782:

    (i)   SEQUENCE CHARACTERISTICS:

```
        (A)   LENGTH:                16 base pairs
        (B)   TYPE:                  nucleic acid
        (C)   STRANDEDNESS:          single
        (D)   TOPOLOGY:              linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  782:

CUGCCGCCUG UCCUUC                                           16


(2)   INFORMATION FOR SEQ ID NO:  783:

   (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                16 base pairs
        (B)   TYPE:                  nucleic acid
        (C)   STRANDEDNESS:          single
        (D)   TOPOLOGY:              linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  783:

ACACUGCCGA GCUCAA                                           16


(2)   INFORMATION FOR SEQ ID NO:  784:

   (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                16 base pairs
        (B)   TYPE:                  nucleic acid
        (C)   STRANDEDNESS:          single
        (D)   TOPOLOGY:              linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  784:

CAGCUGCCUC GGUGGG                                           16


(2)   INFORMATION FOR SEQ ID NO:  785:

   (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                16 base pairs
        (B)   TYPE:                  nucleic acid
        (C)   STRANDEDNESS:          single
        (D)   TOPOLOGY:              linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  785:

ACGCAGACCC CAGCCU                                           16


(2)   INFORMATION FOR SEQ ID NO:  786:
   (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                16 base pairs
        (B)   TYPE:                  nucleic acid
        (C)   STRANDEDNESS:          single
        (D)   TOPOLOGY:              linear

   (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  786:

CGGCGGCCUU CCGACC                                           16


(2)   INFORMATION FOR SEQ ID NO:  787:

   (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                16 base pairs
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        (B)   TYPE:                    nucleic acid
        (C)   STRANDEDNESS:            single
        (D)   TOPOLOGY:                linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  787:

AUACAGACGA UCGUCA                                              16


(2)   INFORMATION FOR SEQ ID NO:  788:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                  16 base pairs
        (B)   TYPE:                    nucleic acid
        (C)   STRANDEDNESS:            single
        (D)   TOPOLOGY:                linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  788:

CAGCGGACCC ACCGAC                                              16


(2)   INFORMATION FOR SEQ ID NO:  789:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                  16 base pairs
        (B)   TYPE:                    nucleic acid
        (C)   STRANDEDNESS:            single
        (D)   TOPOLOGY:                linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  789:

CCACCGACCC CCGGCC                                              16


(2)   INFORMATION FOR SEQ ID NO:  790:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                  16 base pairs
        (B)   TYPE:                    nucleic acid
        (C)   STRANDEDNESS:            single
        (D)   TOPOLOGY:                linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  790:

CUGCAGUUUG AUGAUG                                              16

(2)   INFORMATION FOR SEQ ID NO:  791:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                  16 base pairs
        (B)   TYPE:                    nucleic acid
        (C)   STRANDEDNESS:            single
        (D)   TOPOLOGY:                linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:  791:

GCACAGACCC AGCUGU                                              16


(2)   INFORMATION FOR SEQ ID NO:  792:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH:                  16 base pairs
        (B)   TYPE:                    nucleic acid
        (C)   STRANDEDNESS:            single
```

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO: 792:

UCACAGACCU GGCAUC   16

(2) INFORMATION FOR SEQ ID NO: 793:

     (i) SEQUENCE CHARACTERISTICS:

         (A) LENGTH: 52 base pairs
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS: single
         (D) TOPOLOGY: linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 793:

GUUGCUUCAG AAGUUCACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2) INFORMATION FOR SEQ ID NO: 794:

     (i) SEQUENCE CHARACTERISTICS:

         (A) LENGTH: 52 base pairs
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS: single
         (D) TOPOLOGY: linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 794:

GAGAUUCGAG AAGUUCACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2) INFORMATION FOR SEQ ID NO: 795:

     (i) SEQUENCE CHARACTERISTICS:

         (A) LENGTH: 52 base pairs
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS: single
         (D) TOPOLOGY: linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 795:

GCCAUCCCAG AAGUCCACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2) INFORMATION FOR SEQ ID NO: 796:

     (i) SEQUENCE CHARACTERISTICS:

         (A) LENGTH: 52 base pairs
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS: single
         (D) TOPOLOGY: linear

     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 796:

GGGCAGAGAG AAGCCUACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2) INFORMATION FOR SEQ ID NO: 797:

     (i) SEQUENCE CHARACTERISTICS:

         (A) LENGTH: 52 base pairs
         (B) TYPE: nucleic acid
         (C) STRANDEDNESS: single
         (D) TOPOLOGY: linear

(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 797:

UUGAGCUCAG AAGUGUACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 798:

　　(i)   SEQUENCE CHARACTERISTICS:

　　　　(A)   LENGTH: 52 base pairs
　　　　(B)   TYPE: nucleic acid
　　　　(C)   STRANDEDNESS: single
　　　　(D)   TOPOLOGY: linear

　　(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 798:

CCCACCGAAG AAGCUCACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 799:

　　(i)   SEQUENCE CHARACTERISTICS:

　　　　(A)   LENGTH: 52 base pairs
　　　　(B)   TYPE: nucleic acid
　　　　(C)   STRANDEDNESS: single
　　　　(D)   TOPOLOGY: linear

　　(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 799:

AGGCUGGGAG AAGCGUACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 800:

　　(i)   SEQUENCE CHARACTERISTICS:

　　　　(A)   LENGTH: 52 base pairs
　　　　(B)   TYPE: nucleic acid
　　　　(C)   STRANDEDNESS: single
　　　　(D)   TOPOLOGY: linear
　　(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 800:

GAUCAGAAAG AAGCCGACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 801:

　　(i)   SEQUENCE CHARACTERISTICS:

　　　　(A)   LENGTH: 52 base pairs
　　　　(B)   TYPE: nucleic acid
　　　　(C)   STRANDEDNESS: single
　　　　(D)   TOPOLOGY: linear

　　(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 801:

AGGUGUAGAG AAGCGGACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 802:

　　(i)   SEQUENCE CHARACTERISTICS:

　　　　(A)   LENGTH: 52 base pairs
　　　　(B)   TYPE: nucleic acid
　　　　(C)   STRANDEDNESS: single
　　　　(D)   TOPOLOGY: linear

　　(xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 802:

GGGCAGAGAG AAGUGCACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 803:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 52 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 803:

GGGCUUCCAG AAGCGUACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 804:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 52 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 804:

CAGCAUCAAG AAGCAGACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 805:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 52 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 805:

ACUCCUGGAG AAGUGCACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 806:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 52 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 806:

GAUGCCAGAG AAGUGAACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 807:

      (i)   SEQUENCE CHARACTERISTICS:

            (A)   LENGTH: 52 base pairs
            (B)   TYPE: nucleic acid
            (C)   STRANDEDNESS: single
            (D)   TOPOLOGY: linear

      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 807:

AAGUCGGGAG AAGCUGACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 808:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 52 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 808:

UGGCUCCAAG AAGUCCACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 809:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 52 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 809:

UGGUGUCGAG AAGCACACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 810:

    (i)   SEQUENCE CHARACTERISTICS:
        (A)   LENGTH: 52 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 810:

AUUCUGAAAG AAGCCAACCA GAGAAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 811:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 52 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 811:

UCAGUAAAAG AAGUCUACCA GAGAACACA CGUUGUGGUA CAUUACCUGG UA   52

(2)   INFORMATION FOR SEQ ID NO: 812:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 16 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 812:

GAACAGCCGA AGCAAC   16

(2)   INFORMATION FOR SEQ ID NO: 813:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 16 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 813:

GAACAGUUCG AAUCUC   16

(2)   INFORMATION FOR SEQ ID NO: 814:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 16 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 814:

GGACUGCCGG GAUGGC   16

(2)   INFORMATION FOR SEQ ID NO: 815:
    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 16 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 815:

AGGCUGACCU CUGCCC   16

(2)   INFORMATION FOR SEQ ID NO: 816:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 16 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 816:

ACACUGCCGA GCUCAA   16

(2)   INFORMATION FOR SEQ ID NO: 817:

    (i)   SEQUENCE CHARACTERISTICS:

        (A)   LENGTH: 16 base pairs
        (B)   TYPE: nucleic acid
        (C)   STRANDEDNESS: single
        (D)   TOPOLOGY: linear

    (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 817:

GAGCUGCCUC GGUGGG   16

(2)   INFORMATION FOR SEQ ID NO: 818:

SSSD/74802. v01

```
(i)   SEQUENCE CHARACTERISTICS:

      (A)  LENGTH:            16 base pairs
      (B)  TYPE:              nucleic acid
      (C)  STRANDEDNESS:      single
      (D)  TOPOLOGY:          linear

(xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  818:

ACGCCGACCC CAGCCU                                           16


(2)   INFORMATION FOR SEQ ID NO:  819:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)  LENGTH:            16 base pairs
      (B)  TYPE:              nucleic acid
      (C)  STRANDEDNESS:      single
      (D)  TOPOLOGY:          linear

(xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  819:

CGGCGGCCUU CUGAUC                                           16

(2)   INFORMATION FOR SEQ ID NO:  820:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)  LENGTH:            16 base pairs
      (B)  TYPE:              nucleic acid
      (C)  STRANDEDNESS:      single
      (D)  TOPOLOGY:          linear

(xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  820:

CCGCAGCCCU ACACCU                                           16


(2)   INFORMATION FOR SEQ ID NO:  821:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)  LENGTH:            16 base pairs
      (B)  TYPE:              nucleic acid
      (C)  STRANDEDNESS:      single
      (D)  TOPOLOGY:          linear

(xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  821:

GCACCGUCCU CUGCCC                                           16


(2)   INFORMATION FOR SEQ ID NO:  822:

   (i)   SEQUENCE CHARACTERISTICS:

      (A)  LENGTH:            16 base pairs
      (B)  TYPE:              nucleic acid
      (C)  STRANDEDNESS:      single
      (D)  TOPOLOGY:          linear

(xi)  SEQUENCE DESCRIPTION: SEQ ID NO:  822:

ACGCUGUCGG AAGCCC                                           16


(2)   INFORMATION FOR SEQ ID NO:  823:

   (i)   SEQUENCE CHARACTERISTICS:
```

```
            (A)   LENGTH:              16 base pairs
            (B)   TYPE:                nucleic acid
            (C)   STRANDEDNESS:        single
            (D)   TOPOLOGY:            linear
```

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 823:

CUGCAGUUUG AUGCUG   16

(2)   INFORMATION FOR SEQ ID NO: 824:

     (i)   SEQUENCE CHARACTERISTICS:

```
            (A)   LENGTH:              16 base pairs
            (B)   TYPE:                nucleic acid
            (C)   STRANDEDNESS:        single
            (D)   TOPOLOGY:            linear
```

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 824:

GCACAGACCC AGGAGU   16

(2)   INFORMATION FOR SEQ ID NO: 825:

     (i)   SEQUENCE CHARACTERISTICS:

```
            (A)   LENGTH:              16 base pairs
            (B)   TYPE:                nucleic acid
            (C)   STRANDEDNESS:        single
            (D)   TOPOLOGY:            linear
```

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 825:

UCACAGACCU GGCAUC   16

(2)   INFORMATION FOR SEQ ID NO: 826:

     (i)   SEQUENCE CHARACTERISTICS:

```
            (A)   LENGTH:              16 base pairs
            (B)   TYPE:                nucleic acid
            (C)   STRANDEDNESS:        single
            (D)   TOPOLOGY:            linear
```

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 826:

CAGCUGCCCC CGACUU   16

(2)   INFORMATION FOR SEQ ID NO: 827:

     (i)   SEQUENCE CHARACTERISTICS:

```
            (A)   LENGTH:              16 base pairs
            (B)   TYPE:                nucleic acid
            (C)   STRANDEDNESS:        single
            (D)   TOPOLOGY:            linear
```

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO: 827:

GGACAGACUG GAGCCA   16

(2)   INFORMATION FOR SEQ ID NO: 828:

     (i)   SEQUENCE CHARACTERISTICS:

```
          (A)   LENGTH:                16 base pairs
          (B)   TYPE:                  nucleic acid
          (C)   STRANDEDNESS:          single
          (D)   TOPOLOGY:              linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:   828:

GUGCUGCCCG ACACCA                                                    16


(2)   INFORMATION FOR SEQ ID NO:   829:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH:                16 base pairs
          (B)   TYPE:                  nucleic acid
          (C)   STRANDEDNESS:          single
          (D)   TOPOLOGY:              linear
     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:   829:

UGGCCGCCUU CAGAAU                                                    16


(2)   INFORMATION FOR SEQ ID NO:   830:

     (i)   SEQUENCE CHARACTERISTICS:

          (A)   LENGTH:                16 base pairs
          (B)   TYPE:                  nucleic acid
          (C)   STRANDEDNESS:          single
          (D)   TOPOLOGY:              linear

     (xi)   SEQUENCE DESCRIPTION: SEQ ID NO:   830:

AGACAGCCUU UACUGA                                                    16
```